

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [8972] 160m Olde Tyme Radio
Message-ID: <199701161431.JAA00245@alig1.firewall.lucent.com>

Ernie AA1IK

Today is Thurs. and I will be operating and looking
for QRPers around 1.810 MHz, from 8 - 9 pm EST
tonight (0100 Z Fri.).

72/73 Jim Fitton, W1FMR NE-QRP <>< NH

jffitton@lucent.mv.com

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [9047] 160m Antenna
Message-ID: <199701162221.RAA04637@alig1.firewall.lucent.com>

A question for the Antenna folks.

On 160m,

Antenna is an end fed inv. L wire about 180 feet long.

2 long radials (approx 137 ') were laid on the ground
and attached the ends to my ATU.

I removed one radial, and connected it to the input of my
Autek RF-1 SWR bridge.
The bridge ground was connected to the ATU ground.

I measured the Z of the radial ~350 ohms.

I then started pruning the radial while watching the bridge.
As Z approached 50 ohms, I chickened out and stopped pruning.

Did this for both radials.

Wonder if this provides a low Z to ground ?

Should I have kept pruning ?

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [9048] 160m antenna
Message-ID: <199701162226.RAA06388@alig1.firewall.lucent.com>

Had a phone call and forgot to sign prev. message.

on 160m radial pruning method.....

72/73 Jim Fitton, W1FMR NE-QRP <>< NH

jffitton@lucent.mv.com

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: wagem@juno.com (James W. Cates)
Subject: [8995] 38S shipping status report
Message-ID: <19970116.085714.10046.49.wagem@juno.com>

As of Wednesday evening, 300 kits either in the mail, or will be today.
I will do about 50 more and then go to the post office.

Of the 50 states, 48 are represented by a kit order. Missing are North
Dakota and Mississippi. Louisiana may be also, but I think I remember
one in there. So, almost WAS-38 Specials.

There is one from Washington, DC, which I liked seeing.

Three Canadian provinces are represented, and there are orders from nine foreign countries.

Doug is bagging more parts, and will get them to me until he runs out, and I will keep stuffing them into envelopes and mailing them. Whee! Are we having fun, yet? Of course, "busy hands are happy hands." jim, WA6GER.

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: John Seboldt <rohrwerk@pconline.com>
Subject: [9059] 40 meter QRP DX!
Message-ID: <l03010d02af0419fa33dd@[206.145.48.181]>

Just about a half hour ago, worked HA8FM and HA5JI, at about 7001 kHz with my 5 watt R2 setup, and the new Z-Match feeding my 350 foot horizontal loop. Signals 559 both ways! This was after sunset here in the Midwest, with a good glow left in the western sky. First time I've been on at the right time on 40 meters in a long time, so I feel fortunate. Have to keep that handy list of sunset times and see if I can't do it again!

John Seboldt K0JD
Minneapolis, MN

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [9002] 49er wanted
Message-ID: <Pine.SUN.3.91.970116103451.701B-100000@kitsune.swcp.com>

Hello QRPers! Wanted: 49er still in the kit form. If not available will settle for a built unit. Thanks, Tom WB5QYT qrp-1# 640

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: John Dundas <ab6dg@netcom.com>
Subject: [8946] 49er's for sale
Message-ID: <Pine.3.89.9701151824.A24754-0100000@netcom7>

Gang--

I've got to clear some space here! Have two 49ers that are surplus--one built and operating, in its official Altoids case, and the

other unbuilt and in its official Norcal paper bag with all parts, board and instructions.

The built one is totally stock, ready for hopping up and customizing as you wish!

If interested please send me a private email--address is:

ab6dg@netcom.com

72/3

John

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: John Dundas <ab6dg@netcom.com>
Subject: [8998] 49ers sold!
Message-ID: <Pine.3.89.9701160926.A7854-01000000@netcom5.netcom.com>

Gang--

Thanks for all the quick replies. Both built and unbuilt models are spoken for. I'll keep the list of interested parties, in order received, in case someone backs out.

72 de John W6SU (ex AB6DG)

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Guy Dragoo <gdrag@proedge.com>
Subject: [9004] 900 MHz RF Exposure
Message-ID: <01BC03A2.96AF7E00@ft232.computek.net>

Hi all,

Sorry for the semi-related antenna/RF question but I don't know of a better source for good authoritative non-biased safety answers than these lists.

In our office building (where incidentally I have HF and VHF/UHF antennas for daytime QSOs on the 6th floor roof) they installed a new paging (data?) system at 900-940 MHz. They put up (3) verticals. Two of them are very close to my 2m/440 vertical and HF dipole.

They list the following as conditions of the temporary permit for this paging

installation:

Frequency (MHz)	Authorized Power (watts)	Emission Designator
-----------------	--------------------------	---------------------

90.001-901.10	1.26 (erp)	12k5f2d
---------------	------------	---------

940.00-940.10	150 (ave. output)/75 (ave. output)	15k8f1d/6k00b8e
---------------	------------------------------------	-----------------

940.80-940.85	150 (ave. output)/75 (ave. output)	15k8f1/6k00b8e
---------------	------------------------------------	----------------

Anyhoo...my question is that while this beast is going (probably 24 hours a day) is

there any risk from exposure? When I am on the roof working on my HF antennas I would be probably 3-8 feet away from these antennas at approximately the same height as them. What cha think...am I a worry wart...or should I go ahead and increase my life insurance? Should (could?) I request they shut it down when I am up there?

I appreciate your time and tolerance of this question and I know it is a real stretch

to include it here but it sure would help me feel better about tuning my antenna :-{)

BTW even if it is a problem I'm not going to throw a stink...I'll work around it in a

typical good natured "ham" style.

73

Guy AC5HL

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>

Subject: [9023] Antenna link

Message-ID: <853437897.612829.0@gqrpclub.demon.co.uk>

There is now a link on my web pages (antenna section) to N3G0's article on the J-Pole

antenna - thanks Gary for the info.

---72/3---Frank G3YCC G QRP 042

QTHR (Kirk Ella, East Yorkshire)

QRP Web sites: <http://www.gqrpclub.demon.co.uk>

<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: Tim Parker <tparker@mkeol.com>

Subject: [8961] AOL

Message-ID: <32DDB8CC.2E31@mkeol.com>

Can we please stop already with the AOL bashing? It is in no way, shape

or form a QRP or a Ham radio topic. There are plenty of computer related forums for this sort of thing.

Thank you,
Tim

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [8974] AOL and the general state of things
Message-ID: <199701161433.0AA08248@chuck.dallas.sgi.com>

Gang,

Let's take the ISP discussion offline. It's an issue between the customer and the provider.

I have gently reminded people privately that there are ladies and gentlemen present in this group and the rest of us shouldn't have to be reminded of that fact and should act appropriately.

This is not a bar and the 'zero tolerance rule' will be enforced. For those of you who don't know what that is, you can be removed from the subscription list and not be allowed to return for uncivilized behavior. No warning has to be given. When it's done it's done.

We don't others trying to act as network police either.

So be careful what you call other people in public. It will come back to haunt you.

We are trying to keep the flame wars off this group. They break out into minor fires periodically and hopefully the firefighters come out and put them out rapidly and we go on.

Now some problems we are interested in as a group. Such a delivery of kits, documentation, quality issues, etc.

Interesting that I've gotten email in relation

to ongoing situations and the same name keeps coming up. Enough said.

Back to QRP related threads in progress.

The NC38S has an excellent receiver. Turned it on again last night late and could still hear the stations chasing the DX-pedition to where few hams have gone before on a rock somewhere most of us will never go.

I'll be on the air on 30M starting Friday evening late and for the next 10 days as much as time allows.

If you have sent me email and I have not responded hang on. I'm in overload at work this week. It'll end at noon tomorrow, Friday. Promise. Then give me 24 hrs to respond then bang on me late Saturday to see what the status is. I apologize for any inconvenience at this time.

Fox report, etc to follow tomorrow afternoon.

dit dit es tnx

SIG

Chuck Adams K5FO adams@sgi.com

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: "William R. Colbert" <v31xe@dzn.com>

Subject: [8950] Atomic Keyer

Message-ID: <32DDBC9F.5BAE@dzn.com>

I mentioned on here yesterday that I had received the Embedded Research Atomic Keyer kit. I put it together today (about an hour or little more) and have only the hardware mounting for completion and before that is the hole drilling. I did find out that my eyes can't distinguish small spaces between traces very well, anymore. The Celestial Seasonings box is all measured out, marked and ready for drilling. Perfect size for the keyer. The first one to be used is the Koala Bear design. Carrying cases for the keyer, paddle, handkey, 49r, 38spcl (when received), tuner and antenna wire will be the General Foods coffee tins. 3 of the smaller tins will fit to each coffee tin, which can then be placed into an over-shoulder kit. Oops, almost forgot about the fox. Off to find the fox.

--

72/73, Ray Colbert, W5XE, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: wager@juno.com (James W. Cates)
Subject: [8994] Canada & Overseas 39S orders
Message-ID: <19970116.085714.10046.51.wager@juno.com>

If you have some instruction you want on the customs form, advise. I do put "amateur radio parts" on Canadian orders, "Educational Materials" for Spain, etc. Also, you will find other interesting declarations on the form, hopefully to prevent otherwise excessive duty. jim, WA6GER.

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Ed Tanton <n4xy@avana.net>
Subject: [8953] Capacitor ID 'tricks'
Message-ID: <3.0.32.19970115223517.00932340@tiger.avana.net>

One thing that I did a long time ago to keep the capacitor numbering straight was to fix on 104 = 0.1 ufd. Before doing that, I kept confusing them, and centering on the one value allowed me to then move the decimal point as appropriate for any capacitor (e.g. a '5 (105) meant 1.0, a '3 (103) meant .01 and so on.) I also noted that a '2 (102) is 1000 pf, and that facilitates knowing how many pf (picofarads [e.g. micro-micro farads]) a capacitor labeled like this equals.

A table to make it a little more clear looks like this:

105 = 1.0 ufd = 1,000,000 pf	So, the 3rd digit,
when expressed as	
104 = 0.1 ufd = 100,000 pf	picofarads, denotes
the number of	
103 = 0.01 ufd = 10,000 pf	zeroes AFTER the 10
102 = 0.001 ufd = 1,000 pf	
101 = 0.0001 ufd = 100 pf	
100 = 0.00001 ufd = 10 pf	

Finally, beware silver mica capacitors and some other similar low value capacitors: they may say 100 and MEAN 10pf... USUALLY (but NOT ALWAYS) when they mean '100 pf' they will have the 'pf' printed with the 100 ('100 pf'.)

By the way, the reason I picked 104 as my memory standard was that in the aero-space company (where I worked in the R & D lab) they usually used 104 as THE bypass capacitor for any circuit not purely RF.

72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX
189 Pioneer Trail
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [8989] contest software
Message-ID: <01IEA0DVQOC08WXY14@tntech.edu>

anyone know of any DOS based contest freeware/shareware I might be able to download today to do this weekend's contest. .tried the log 405, but it won't run on an old 8086 machine (don't laugh .. had a big 20 mb drive)

thanks

Jeff

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [9016] CQC Web Site
Message-ID: <970116183306_75230.1405_HHB33-1@CompuServe.COM>

Several people reported problems with some of the images on the CQC site and on the Milestone Technologies home page.

I think I have it fixed now. I am extremely annoyed at the nature of the problem and what it took to find it. Seems on a couple of pages the image sources were identified with MY local file paths. When I went to the page Netscape would of course "find" the file and display it, even if I had emptied the memory and disk caches and reloaded the page. But when someone else went to those pages, they'd get a big question mark or broken image logo because my local file spec means nothing to the server.

Sheesh!

I think the images of the Island Memory Keyer on the MT site (most recent addition) were ok

Please report any other problems you encounter, and suggestions (polite ones, that is [g]) are always welcome

In case you need them, the relevant urls are:
<http://www.mtechnologies.com/mthome> and
<http://www.mtechnologies.com/cqc.htm>
Oh, and my daughter invites you to visit HER page:
<http://www.mtechnologies.com/amy.htm>

73
Marshall
AA0XI

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: ccashion@spdmail.spd.dsccc.com (Charles Cashion)
Subject: [8976] CT
Message-ID: <199701161457.IAA26090@vob005.spd.dsccc.com>

Trying to find version 6 of CT.
CT is a program that runs on a PC and sends keystrokes to either printer port (serial or parallel). Just the initials "CT" are not sufficient for Yahoo or AltaVista to locate it.

72s
Charles Cashion, W5ISZ, ccashion@spd.dsccc.com
--

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [9001] Dayton QRP-L Activities
Message-ID: <970116173549_75230.1405_HHB51-3@CompuServe.COM>

Ken Cavcey, W0YOR (cavcey@boulder.nist.gov) has been having some trouble tracking down info about QRP-L activities and registrations, lodging, etc. for Dayton. Can some responsible individual please email him with the necessary info?

BTW, Ken's just joined QRP-L and was somewhat intimidated by the volume, and commented that a huge part of it is off-topic. I told him that was temporary, and I personally hope I wasn't lying [g].

73
Marshall
AA0XI

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Martin Squicciarini <skitch@resuba.com>
Subject: [8970] Drake listserver
Message-ID: <Pine.LNX.3.91.970116074302.13635A-1000000@resuba.com>

I know this does not relate to the topic of the list but I would appreciate it if someone could tell me if there is a list for owners of Drake radios. TIA

72/73
Marty Squicciarini NR3Z
skitch@resuba.com (home)
msquicci@vf.lmms.lmco.com (work)

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [9053] email addr for AI1H
Message-ID: <199701162301.RAA09145@admin.inetport.com>

Does anyone have an email address for
Frank Witt AI1H???

Want to ask a few questions about the

ant tuner test stuff that he did which was reported on the Apr/May 95 QST.

Has anyone done any efficiency testing on any other antenna tuners than those tested by AI1H??? If so how about posting results??

Missed the IA FS station yesterday... Heard him on 80 and 40 but just couldn't get through the QRN/prog condx....

Sigh...

Larry

KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89
ex: KN80SG K80SG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 Fl)

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [8943] EMTech ZM-1 ATU mods
Message-ID: <Pine.SOL.3.94.970115202044.24337C-100000@utkux4.utcc.utk.edu>

Finally found the time to build the EMTech ZM-1 tuner. A very nice kit with very good parts. However, being cranky, I decided against mounting all the controls and the I/O connectors on the metal panel. My preference is to have tunable controls in front and connectors in back.

So I built everything into the plastic part of the case and used the metal cover as a bottom plate with corner pads. Consider the left end, as viewed from in front, as the input end for both the long front edge and the long rear edge. On the front, from left to right, I placed the "extra input C" toggle and the two variable capacitors. On the rear, from left to right as viewed still from in front, I place the input coax connector, the output coax connector, the toggle to ground the black terminal, and the two (red and black) balanced output terminals. The toroid fits very nicely on the case bottom, now the top, easily supported by the 6 leads.

Nothing unexpected has happened by changing the layout. It tunes sharply, but gives advertised results, at least with the antennas I have (which have a significant SWR on only a couple of bands). I could not use the very nice panel label supplied by Roy, but the knobs are the perfect size for the width of the case side edge. The thicker plastic (thicker than

the aluminum) allowed me to countersink the capacitor screws.

I like Roy's idea of using red, green, and black wire for winding the toroid--simplifies keeping track of which end and lead is which when doing the final soldering.

Incidentally, the Z-match idea has not just been used for ATUs. Back in the 1960s, I built a preamplifier to cover 40-10 meters (also covered 80, but did not need it for 80) that used the same principle on the front end. My recollection of this handy little device that perked up my old HQ-145 was that it used a tapped coil of BW stock or similar with a two section receiving variable--the kind with 365 in one section and about 200 in the other. The sections were in series across the shorter section of coil for 20-10 and the large section was alone across the entire coil, tuning two frequencies at once. The Q of this system was not exceptionally high, but it was adequate for a 10-15 dB preamp and provided settings broad enough to cover a ham band without resetting. Wish I could find the schematic of that old preamp.

In any event, you can experiment with the ZM-1 in terms of layout and still expect good results.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Joe Gervais <vole@primenet.com>
Subject: [8937] Feb. QST - More QRPers!
Message-ID: <199701160054.RAA08594@primenet.com>

Howdy All,

Just got the Feb issue of QST, and was pleased to see QRP at work again. In "Up Front" they have a picture of Dave's (W0MHS/7) "Big Bertha" 160m loop, and mentions that he worked all 50 states in less than 39 hours, while running QRP on 160m. Wow!

Next is an article by Lorraine (AC6XK), who ran Field Day QRP from the top of Mt. San Jacinto (my old backyard) in CA. Haven't seen her on the List, but her email address is given as LYA@juno.com - Assuming I haven't missed her

here already, perhaps a few bits of email from a few of us QRP junkies could convince her to drop on by and buy a .38 Special with the rest of the gang. :-)

Oh, the FYBO announcement made it into the Contest Corral too. Amusingly it says, "Complex rules; Please SASE to Joe Gervais ... for full rules."

Wow, we ScQRPions didn't make it *that* bad did we? :-)
Do wish they had put me email address in there. Would've saved the curious alot of time. But glad FYBO made it in!

I'll be QRT for a few days, so talk to you all soon.
(Sorry if I owe you email - it'll be awhile - thanks!)

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [8960] FOX for 22 January (21 local)
Message-ID: <Pine.A41.3.95.970115214417.52190B-100000@hector.NMSU.Edu>

My St. Lucia trip has been postponed (looks like I'll have to be there for FYBO - cheez, don't know if I can stand the Carribean during February).

I'll be the FOX 22 January 0200-0400Z (that's Tuesday night our time).
Tonight I worked IL, CA, ONT, TN, and Cuba with the newly revitalized NC 40A with working KC-1. I'll probably have 5 watts and the GAP Titan vertical working along with my high noise level. Unless, of course, I convince myself to go find a quiet spot and put up my "Riley" zepp. Looks like I'll need about 75 contacts to win this thing. BE THERE!

Tim AB50U

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Peter_Simpson@3mail.3Com.COM
Subject: [8969] FOX: Almost caught the furry one last night
Message-ID: <85256421.00452050.00@hqoutbound.ops.3com.com>

What? You say there wasn't a fox last night? Well,
I saw one! Not heard, saw. As I was driving to
a meeting last night, around 6 PM, the furry critter
ran right across the road, right in front of my car.

Of course, I:

- A) Hit the brakes.
and
- B) Tried to work him.

: -)

Peter, KA1AXY

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [8956] FSFD (50 States) Update for Jan 15
Message-ID: <199701160327.WAA11239@alaska.magpage.com>

Hello ALL, (QRP activity info at <http://www.dancris.com/~ki7mn>)

The 50 States In 50 Days (FSFD) activity started Jan 01 and runs through
Feb. 20. Below is a the schedule of States for the next few days. We will
attempt to provide digested schedules of states/times/bands/freqs. to help
reduce message traffic to the reflector. Typically, only 1 message per day.

ALL TIMES UTC

Jan. 15 Wednesday IOWA KD0CA, Jerry 1230-1345 UTC 3.559
0100-0300 Thur-UTC 7.042
0300-0330 " UTC 7.039

Jan. 16 Thursday WISCONSIN (substituted in place of Kansas-later)
WA9PWP, Paul 2300-0000 UTC 10.115
0100-0300 FRI>UTC 7.037
0300-0400 FRI>UTC 3.700

Jan. 17 Friday KENTUCKY KC40, Roy 1400-1420 FRI-UTC 7.042

	1430-1445		7.118
E-mail Roy for any spcl.	1500-1520		14.059
times or freqs.	1700-1720		10.115
	1800-1815		18.078
	1830-1900		10.115
	2100-2120		7.042
	2130-2200		7.118
	0000-0100	SAT-UTC	7.042
	0100-0120	" "	7.118
	0130-0200	" "	3.710
	0215-0400	" "	7.042

Jan. 18 Saturday LOUISIANA #2, K5RV, Brian TBA (ends at 6 PM)

| Look at MI-QRP Contest this weekend; Info-Jan QST |
 | Start 0700 UTC 1/18/97 End 2359 1/19 |

Jan. 19 Sunday MAINE, WA5CVM, Joel, after MI-QRP Contest TBA

Most every sign-up came with a note saying they would go longer if busy.
 Frequencies are +/- QRM & typ. may reach as far as 3-4 KHz from posted freq.

CALLING CQ: A suggestion. If we call CQ WAS or WAS QRP de K6.... etc,
 we give those not on QRP-L an indication of what we're doing. FSFD type
 calling might be too cryptic for all but ourselves. However 'FS' is fine
 when busy. Exchange RST, State/Province/Country, and Name. Power level is
 nice to know.

ALASKA & HAWAII: Jim-AL7FS is back from Hawaii and will activate ALASKA as
 soon as KL7Y's 40M beam repairs are complete. Watch for Jim's postings.
 Thanks to him for the HI effort.
 KB0ROL will also be in HAWAII between Jan. 17-25 and will post his time/freq
 info to the group when ready. Don't miss this double QRP HI shot.

If you want to sign-up for an upcoming State, e-mail band/freq/time directly to:
 congress@magpage.com

Thanks for all the responses/encouragement and suggestions. Lets have a blast!

Jim K3QIO Wilmington, Delaware

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: jbartac@max.state.ia.us (jbartac)
Subject: [8980] FSFD - Iowa - Results
Message-ID: <32DE676B.4854@max.state.ia.us>

Wow, this was much more difficult than I thought, and the QSB and QRN were much worse than expected! I did have a very good time putting Iowa on the air, though. I used my PK-232 TNC and my ancient Tandy model 200 laptop as a memory keyboard keyer. I saved 3 files in the memory: "C" was the C-q call, "X" was the e-X-change info, and "Z" was the qr-Z call to resume calling. Much better than my bug or side swiper in avoiding cockpit trouble and excitement-induced trembling hands.

Nearly all of the contacts on both bands were on my inverted ELL 127 foot long wire. Its vertical leg is only 27 feet tall and the flat top droops in the same shape as my tummy, so I was amazed at the 40 M contacts to WA, CA, and AZ. Now and then during the 40 M run, I tried my little vertical GP on the roof (16.5 ft. Tall, 4 wire radials, and fed with 300 ohm ladder line), but it performed dismally. The only QSO the vertical got me ON 40 M was Bob AC5AM* in Louisiana. Bob, ya got magical ears, my friend!

There were 2 non-QSO's that were lost in the QRN... maybe K1CL at 0106 Z and N4US at 0127 Z? Not sure about these at all, and very sorry about that.

Here's the pitiful little log:

1/15/97 - 3559 Khz

TIME	UTC RIG	CALL	RST	RST	STATE	NAME	POWER
	1226 Q	K4NK	439	449	SC	LES	4W
	1231 Q	AC5AM		559	579	LA	BOB 4W
	1236 Q	K5ID	579	579	AR	KEN	5W
	1255 Q	W7IOI		599	569	MI	KEN 80W (NOT QPR-L)

1/16/97 - 7042 & 7039 KHz

TIME	UTC RIG	CALL	RST	RST	STATE	NAME	POWER
	0119	P	AC5AM		439 449	LA	BOB 4W (* 20M GP)
	0142 P	K7TP	549	449	CA	GROVER	5W
	0204 P	K04A	339	339	MD	JOHN ?	(BAD QRN)
	0210 P	W6IMD		339	539	CA	DAVE 5W
	0223 P	K4WZ	569	569	GA	RON	4W
	0235 Q	NQ7X	539	449	AZ	LLOYD	5W
	0243 Q	NR3E	559	559	TX	DAVE	5W

0250 Q N7MFB 439 459 WA BILL ? (HEARD "TEN...?"
0320 Q N5LU 549 559 OK BILL 5W
0322 Q N4BP 549 339 FL BOB 5W

RIGS: P = Ten-Tec Paragon
Q = Index QRP+

12 STATES - 14 Q's

72,
Jerry L. Bartachek KD0CA <><
Washington, IA

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Brian L. Lewis" <76500.1621@CompuServe.COM>
Subject: [8951] FSFD LA #2 1/18/96
Message-ID: <970116032722_76500.1621_HHE75-1@CompuServe.COM>

For those who missed Louisiana the first time around. I will be operating from Louisiana this Friday night and Saturday Morning. He is the schedule:

January 18, 1997 0100 - 0230 UTC 7035 - 7040 khz

January 18, 1997 1600 - 1730 UTC 14055 - 14065 khz

I will be calling:

CQ CQ WAS de K5RV K5RV K5RV k

Look forward to working you.

Brian L. Lewis

Shreveport, La.
K5RV (ex- N50CD)
bl@key.com or 76500.1621@compuserve.com
15-Jan-1997 21:23:32 CST

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: n4js@amsat.org

Subject: [9054] FSFD- WS

Message-ID: <XFMail.970116180706.n4js@amsat.org>

In spite of a rotten cold, this has been a good day QRP-wise. Worked WA9PWP right at 2300Z (OK, OK, maybe a couple minute before). He was 569, but after exchange started QSB. I hear him coming up again now, as I write this.

Hey Steve, needless to say I am VERY pleased with the QRP+ !

Sent at 18:07:06 on 16-Jan-97

_ _ _ _
 / \ / \ / \ / \
(N)(4)(J)(S)
 _ / _ / _ / _ /

John L. Sielke n4js@amsat.org NJ - FM28LN
n4js@pobox.com n4js@hotmail.com n4js@n4js.ampr.org
<http://www.pobox.com/~n4js>

QRP-ARCI #9328 QRP-L #884 QCWA FISTS #2781 NE-QRP #507

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: Joe Gervais <vole@primenet.com>

Subject: [8939] FYBO Field Day Plans - Ideas?

Message-ID: <199701160117.SAA09853@primenet.com>

Howdy Folks,

What's everyone doing for the FYBO QRP Field Day? If you've got plans, please post 'em here!

Going to the field and throwing snowballs at the squirrels all day to keep 'em from eating your coax? Staying at home and planning to give an evil chuckle as you give temp reports of 83F to the frozen field ops? Or doing the same on a CA or FL beach?

The AZ ScQRPions are (so far) breaking into two groups. The Sunscreen Patrol is going to stay here in the Valley. Rumors of a BBQ, Bermuda shorts, sunglasses and margaritas abound. Expect no sympathy from them. :-)

The Frozen Chosen will head up to the Mogollon (that's MOE-GHEE-UHN for you non-Zonies) Rim in search of snow and freezing wx. Flagstaff had a low of -5F this morning, so chances are good they'll find it. And at least *their* margaritas won't be melting in the sun. So nyah nyah to

the Sunscreen Patrol! Yeah, guess which team I'm on... :-)

So where are *you* headed? Or not headed? Got that thermometer yet?!? Good. :-)

Five weeks to go folks - plan now before it's too late!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

PS- Thanks for your support!

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: ji3m@maxwell.com (James R. Duffey)
Subject: [9006] Gain Normalization Through IF Filters
Message-ID: <v02130502af04196a64b7@[192.31.66.229]>

Tom - In our continuing thread about whether or not you will be normalizing the gain through the two different bandwidth filters;

I wrote;

>How are you normalizing the gain through the filters, or maybe
> I should ask are you normalizing the gain through the filters?

You replied

"I was just going to ignore the difference in gain and/or noise. I've never had a two-filter radio... how annoying is it?"

On my FT101E, a second rig, I find it annoying to switch to the CW filter and have both the signal and noise drop. The drop is considerable due to the high insertion loss of the CW filter, which I estimate to be 10 dB or more than the SSB filter. One must crank up the audio gain to compensate for this loss. It seems to me in this case, if one has significant noise sources after the filter, say in the IF amp, product detector, or audio amplifier, then one is adding noise by cranking up the audio gain and not all of the noise reduction which can be gained from the filter is achieved. This is particularly noticeable for noise outside the filter bandwidth. I would think that a simple JFET amplifier with adjustable gain prior to the CW filter would be remedy this situation.

Just my free advice, which is worth what you paid for it. Money back guarantee. - Duffey KK6MC/5

James R. Duffey
Principal Scientist
Maxwell Technologies Incorporated/Albuquerque Division
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

(505) 764-3143
(505) 843-7995 (FAX)

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: d.nordquest@juno.com
Subject: [8962] Gimmick Caps
Message-ID: <19970115.191442.4447.0.d.nordquest@juno.com>

Sorry if this is a repost. However, I think it got lost in cyberspace.

QST had a Hint & Kink some years ago about using two wires peeled from a ribbon cable (but not from each other) as a gimmick cap. They did some tests and found the temperature stability to be excellent. As I recall, they tried a couple of different wire sizes -- in the mid-20's, I think. A picofarad or two will probably be the maximum value you can get for a length of an inch or less. One caution: make sure the strands at the non-connected end don't short.

Dave KE9ED

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: d.nordquest@juno.com
Subject: [8963] Gimmick Caps
Message-ID: <19970115.125450.4455.0.d.nordquest@juno.com>

QST had a Hint & Kink some years ago about using two wires peeled from a ribbon cable (but not from each other) as a gimmick cap. They did some tests and found the temp stability to be excellent. As I recall, they tried a couple of different wire sizes -- in the mid-20's, I think. One caution: make sure the strands at the non-connected end don't short. A ^ -shaped cut might help.

Dave KE9ED

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: highland@cityscape.net
Subject: [8940] GreyLine Propagation?
Message-ID: <32DD8480.4644@cityscape.net>

Recently Greyline propagation was mentioned on this list. Since propagation is a major part of qrp, could someone explain this concept in a bit more depth?

de KA9KQH, Dwayne

--

....quietly making noise.....
mailto:highland@cityscape.net

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [8948] Hawaii Fox
Message-ID: <19970115.203005.7591.3.kb0rol@juno.com>

OK, I've had a few people ask so here is what I'm going to shoot at but keep posted cause until I land and get my tent set up I don't know what I will be able to do.

Freq - should not change BUT the dial on the Explorer II doesn't have much resolution 7.112 MHz+-

Time 0200 to 0400 or longer if I get traffic. anything out the the 0200 to 0400 window doesn't count as FOX but you can still use it for WAS QRP-QRP (I know the FOX is more important but I'm sorry rules are rules)

Date - IFFY - Wednesday Local Thursday Morning Zulu.

Antenna Probably a bunch of wire up a tree with some on the ground as recommended by Niel WA7SSA who almost worked me from Hawaii the last time I was the FOX - he could hear me and I think I could hear him but it was at the end of a two hour very noisy fox hunt and I was hearing all kinds of things - even thought I heard Chuck but then I remembered he worked voice.

Good hunting

de

Brad Mugleston - KB0ROL

Colorado QRP Club # 170, QRP-L #316, ARRL

QTH - Aurora, CO - DM79oq
KB0ROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [9018] I got the Blues, Man!
Message-ID: <853437890.612804.0@gqrpclub.demon.co.uk>

When you log onto my web pages, you will now get a nice blues number. which
I will change from time to time, hope you enjoy the music!
Remember what they say down south, it don't mean a thing if it ain't got
that swing. Bit like CW, eh?

---72/3---Frank G3YCC G QRP 042
QTHR (Kirk Ella, East Yorkshire)
QRP Web sites: <http://www.gqrpclub.demon.co.uk>
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: w8lrm@qtm.net
Subject: [9041] Icom
Message-ID: <199701162159.QAA23956@garcon.qtm.net>

Is there a reflector for Icom on the net ??
Thanks

.....de....W8LRM.....Al

MI-QRP #41 QRP-L #532 QRP-ARCI #6524
G-QRP #4152 NOR-CAL #246 CQC #289 (EN62RE)
>From Southwest Michigans Sunset Coast:
Saint Joseph, Berrien County, Michigan !

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "chris" <guardianone@mvitel.net>
Subject: [8938] info needed
Message-ID: <9701160114.AA02318@host.ot.centuryinter.net>

I have a friend who plans to go t Lithuania and needs to know where to find
info on how or if he needs to obtain special license or special permission
to operate from there.

tnx 73 chris kb5vyb

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [9049] Jim, Ori, Dave, Paul & Doug Are Smiling
Message-ID: <1.5.4.16.19970116153152.2a6f4088@telis.org>

Roger, reading your posting about the delivery of the 38 Special brought a smile to my face, and I am sure to Jim's, Ori's, Dave's and Paul's as soon as they read it. I talked to Jim at noon today, he has 50 more kits ready to go to the post office. That makes 350 kits that Jim has packaged for shipping since Monday. Wow, what an effort.

We would like to have your mods, comments and suggestions for building as soon as you have them. Many of you have asked why we do this. The reason is that we like to share in your fun as you build your kit. Please post to the net any improvements or mods that you might find. This is what makes for a better QRP environment. QRPers helping QRPers.

Oh, one more thing, how is the weather in Dayton???

72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [9046] Ladder-Line Tuner

One of the easiest ways to tune a non-resonant length dipole fed with ladder-line is to vary the length of the ladder-line. I've posted a schematic of a Ladder-Line Length Selector on my web page at: <http://people.delphi.com/CecilMoore>

With 4 4pdt relays or 8 dpdt relays, one can vary the length in increments of one foot from zero to 16 ft. My previous posting showed where to place a capacitor to achieve a Z0-match. With the length selector, the capacitor can remain physically fixed while the length of the transmission line between the capacitor and the antenna is varied. Add remote tunability to the capacitor and one has, essentially, a very simple, low-loss, remote tuner. This design is more versatile than a relay and capacitor per band.

The length selector can be used by itself, without the cap, to accomplish remote tuning of a G5RV. One of sixteen combinations of relays is selected to achieve minimum SWR on the coax.

Also on my web site is the radiation pattern for a G5RV on 17m from Arizona. See why I like this antenna for world-wide DX on 20m-10m.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: jayboy@psnw.com (Jay & Jackie)
Subject: [8975] LDG QRP tuner hint needed
Message-ID: <199701161437.GAA06964@sierra.psnw.com>

Hi,

I'm just finishing up the QRP tuner and have a concern regarding the mounting of the toroids. Each was wound in the same direction....My question, do I mount each one exactly the same way? Meaning, should the beginning wire on (say) the left always go into the mounting hole on the right? Does it make any difference if some are turned backwards?

Hope I'm making myself clear, but I do not know if the coils interact so must be all aligned perfectly, wound, and mounted the same. It's difficult to mount them with the windings all going the same way.

Help would help.

73, W6JDB

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [8982] LDG tuner bandwagon WEIGHTED DOWN...
Message-ID: <Pine.3.89.9701161040.C5671-01000000@w3eax.umd.edu>

Current stats:

WELL beyond my wildest dreams (and fears, guess who has to box and ship?)

AT-11 tuners	31
enclosures	27
QRP tuners	32 (yes, more than the AT-11s)
enclosures	22

yes, the group buy is on until TOMORROW MIDNIGHT...PLEASE, have mercy my friends!!!

No really, if you want to order, tell me:

what you want
your address
your phone number

and I will reply ASAP. I've already received a half-dozen checks - cool, only FIFTY to go...

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [9045] MFJ9420 & CW
Message-ID: <853437904.612875.0@gqrpclub.demon.co.uk>

Has anyone info on the mods to enable the MFJ 9420 ssb rig to operate satisfactorily on CW?

I am modding mine and have now got the rig to cover the CW end of the band at the flick of a switch. Also transmits fine by keying a tone into the mic circuitry. What I am particularly interested in is to add sidetone, which is a little awkward with the af amp that is used, which has both outputs above ground. Have tried a few things but wonder what the list has to offer?

Cheers.

---72/3---Frank G3YCC G QRP 042
QTHR (Kirk Ella, East Yorkshire)
QRP Web sites: <http://www.gqrpclub.demon.co.uk>
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Wayneb1103@aol.com
Subject: [9050] More AOL
Message-ID: <970116163912_713781174@emout16.mail.aol.com>

Wayne WB7WHI wrote (in part):

>They are having some problems
> with overload at the moment but they are adding new and more >equipment
to solve the problem. >

That's what they told me back in September of 1992!!
73 de KJ7UN, Laura

=====
Never had a problem until the holidays in December - now I just dont bother
logging on the web unless its before noon as afternoons and evenings are
saturated. Use the flash mail system which is set up for 2am and it always
goes through.

I have been using the internet since 1992. Went through many different local
providers some good, some not so good. Before AOL I was with GNN because it
was a flat rate. When AOL went flat rate and closed out GNN I decided to to
give them a shot. I am generally satisfied with the service and confident
that the overload problems will be worked out. If they didn't think they
could do it I don't think they would have tried.

I think the real issues here is not so much with AOL but with some AOL
subscribers. Now that it is a flat rate system there are those who just don't
bother to log off if they are using the system or not. Then there are the new
people who are so captivated with the web that they spend 4 or 5 hours a
night logged on. Neither are thinking of the other guy who might be trying to
log on and only gets a busy signal. It is not an easy thing to realize that
you are only one of thousands using the same system.

To fault AOL, I don't think it would be such a big deal to keep its customer
base informed as to what is going on via E-mail. I have heard about their
plight on TV and read about it in the newspapers but a direct update from
them would be nice.

I would have CC'd this to AOL but don't know what they call customer support
these days. If someone should maybe they could forward the mail that has been
generated on this list to AOL. I'm sure they would be interested.

73's

Wayne WB7WHI
Spokane, Wa.

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Barry Keating <Barry.P.Keating.1@nd.edu>

Subject: [8973] N/T FOX Tonight - Correction
Message-ID: <v03007801af03e8af05b0@[129.74.87.62]>

Oops!! Had my UTC times mixed up in the last note -- sorry!
(Thanks for the correction Claton.)

Snow Covered N/T Fox TONIGHT

WD4MSM

Come on out and keep me warm!

I will be on the air TONIGHT
(the LOCAL date is January 16, 1997).

I will operate "near" 7.112 or 7.122
(as conditions warrant). I will be
on the air from 8:00 pm - 10:00 pm
New York (EST) time:

Thursday, January 16th (local date)
8:00 - 10:00 pm local (EST) time
0100 - 0300 UTC
frequency; "near" 7.112+- or 7.122+-
QTH South Bend, Indiana
QRP-L# 642
MFJ 9040 at 5 watts

I will begin near 7.122 +/- and move
near 7.112 +/- as interference warrants

Barry Keating
WD4MSM

p

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [9026] N/T FOX Tonight - Despite Snow
Message-ID: <v03007804af0434d2ee0f@[129.74.87.62]>

South Bend, Indiana is essentially closed today (the schools are closed,
the university shut
down, and only "essential" employees are asked to report for work) but ...

I will still be the Snow Covered N/T Fox TONIGHT :-)

WD4MSM

If none of you show up, it's going to be a very cold night for me. Take my suggestion and just pop another log on the fire or turn up the thermostat a notch and settle in for a little foxhunting. If you're really feeling spunky why not set up tonight in the backyard and hold your very own FYB0?

I will be on the air TONIGHT (the LOCAL date is January 16, 1997).

I will operate "near" 7.122 or 7.112 (as conditions warrant). I will be on the air from 8:00 pm - 10:00 pm New York (EST) time:

Thursday, January 16th (local date)
8:00 - 10:00 pm local (EST) time
0100 - 0300 UTC
frequency; "near" 7.122+- or 7.112+-
QTH South Bend, Indiana
QRP-L# 642
MFJ 9040 at 5 watts

I will begin near 7.122 +/- and move near 7.112 +/- as interference warrants

Barry Keating
WD4MSM

p

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [8936] NC38S
Message-ID: <Pine.SUN.3.90.970115162359.15956B-1000000@vortex.sage.dri.edu>

The morning started bad.....

Broken water pipe.....water, water everywhere!.....trip into town to buy a wet vac.....Heard Island is on and I'm playing in the water.....Waaaaaaaaa

Then....BINGO.....the mail man brought my package from NorCal.....it's the NC38S.....Wheeeeeeee, gonna go make a radio....!

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Roger Hightower <rhight@primenet.com>
Subject: [9022] NC38S - You're gonna love it!
Message-ID: <32DE8009.78B7@primenet.com>

While sitting around here playing with the confuser, I glanced out the window and saw the mailman stuff a large brown envelope in the box. Oh, man! A plain brown wrapper can only mean one thing.....the 38 Special is here!

Neat that I had a low number and can gloat, :-). THIS IS A KIT, folks. The instruction manual is the best I've seen as far a layout, clarity, and total information. Anyone can build from it. Parts are neatly packaged, and the board is super. How the heck can this be just a \$25.00 kit?

Going to take some time with this one, and will wait until the TiCK chip arrives. Then I can do the power mod, RIT mod and TiCK mod at the same time. Just checked the supply of tin boxes, and see that the 1995 Kodak tin (2 x 3 1/2 x 4 3/4) is going to be just fine.

Thanks Ori, Doug, Jim, et all....this is going to be fun.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9010] NC38S Receiver Drain
Message-ID: <199701161812.SAA08850@chuck.dallas.sgi.com>

The NorCal 38 Special, hereafter abbreviated
by me in all posts NC38S (YAB - yet another

abbreviation), draws 29mA on receive with
12.8V.

Installments of measurements as they are made.

:-)

SIG

Chuck Adams K5FO adams@sgi.com

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: "Laura" <sputnik@imt.net>

Subject: [9058] Nils, you are amazing!

Message-ID: <199701162346.QAA26147@cu.imt.net>

Nils, my good man, you are incredible. Such a plethora of cacophonous verbiage has not passed before mine eyes since my last endeavor to placate a colleague's intrigue in my autobiography by astounding her with wit and wisdom the likes of which she may never see again. I have encountered poets, journalists and savants whose intellect I have lucubrated over many years and yet they etiolet when compared with your wit and sense of comicality.

Otherwise put: Me tink you perty neet guy! And FUNNY too!

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA

sputnik@imt.net <http://www.imt.net/~sputnik>

GHRC / ARRL / 10-10 #68896 / FISTS #2785 / MARC / QRP-L # 790

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA

sputnik@imt.net <http://www.imt.net/~sputnik>

GHRC / ARRL / 10-10 #68896 / FISTS #2785 / MARC / QRP-L # 790

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: tahrens1@juno.com (Tim H. Ahrens)

Subject: [8983] ON4UN Software - Anybody have?

Message-ID: <19970116.100140.15695.10.tahrens1@juno.com>

Does anybody have the 'new' version of

ON4UNs software? Before I send the \$55 to get it, I would like someone to run a couple of numbers through the 'T' match section. I have an older version, and it appears that it calculates things incorrectly.

Thanks,

Tim W5FN

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Mel Evans <101366.3072@compuserve.com>
Subject: [9035] POSSIBLY Incomplete Message: AOL saga
Message-ID: <199701161558_MC2-F58-F3E1@compuserve.com>

Hi gang,

Looking at freebie disc, AOL busy here with mailings and offers. I still like cserve, but that's because I can use DOS on the old 386 and laptop also.

I even use Minuet, DOS www program, there's a boring old ---- for you!
"Can't be doing with all this new-fangled stuff, it was better in the good old days (two years ago) blah blah mumble blah!"

Just think, if Mr Gates had started Ford, you would be buying an auto with

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: dbs@thermacore.com (Dave Sarraf)
Subject: [8987] Radioactive Paint
Message-ID: <9701161058.0.UUL1.3#25536@thermacore.com>

Nils,

The "Glow in the dark" test is not a reliable method of testing for radium in paint. My dad's high school graduation watch has radium paint, yet I cannot see it at all even outside after an hour of stargazing with well-adapted eyes. I do know it has radium, however. It was later shown to have spoiled the results of a physics lab where we were trying to show the effect of increasing amounts of lead shielding between a source and detector.....

I do not worry about the watch, or an old clock which the words "radium dial" boldly printed in script letters on its face. Also, my radium watch emits only

from its clear face, which is away from my body. The case shields my wrist and the rest of me. I subscribe to the wear your seatbelts, eat better, wash your hands after certain activities and exercise school of thought. They have a far more direct effect on my health than some nearly background-level emissions from a watch or dial. Likewise with smoke detectors. They have a miniscule amount of americium which is contained in a solid paint and is well shielded by the surrounding metal cup. Unlike the risk of harm from the americium, the benefit of using smoke detectors is very great and is quantifiable.

Taking precautions while removing the paint is not a bad idea, however. I would recommend using WET sandpaper or scotchbrite then wiping the face with a wet paper towel. Put all the junk in a plastic bag and throw it in the trashcan, then wash your hands. It can't hurt, and I would agree that while using a radium dial is near zero, ingesting radium is something to avoid if you can. There was a "sick house" in Philadelphia around the turn of the century where supposedly nearly every occupant eventually died of cancer. It turns out that a former owner used to mix up a patent medicine in the basement of the home; a key ingredient in the medicine was the new miracle compound "Radium".

Dave Sarraf

N3NDJ

Elizabethown PA (just 10 short miles from the TMI Nuclear Power Plant!)

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [8999] Re[2]: Sunspot Cycle Predicted to be LOW
Message-ID: <9700168534.AA853443291@smtpgw.ccgate.dl.nec.com>

Jim and gang:

Yeah, just my luck. After many years of being inactive, spent the last few years upgrading, working lots of cw, etc. Have never been thru a cycle peak and was REALLY excited about this one coming up. Oh well...

However, check out the HAM RADIO ONLINE news site. They have a report "Cycle 23 When Are You" by Ronald Zond K3MIY which reports that the cycle will peak at SSN 108 around 2000. That sounds pretty good. Solar Flux is predicted at 120 to 150. Good again.

Check it out - <http://www.hamradio-online.com>

Anybody's guess at this point!

73 de Dave NR3E
nr Dallas, TX
qrp-1 #25

----- Reply Separator -----

Subject: RE: Sunspot Cycle Predicted to be LOW
Author: james@research.nj.nec.com at smtpink-dl
From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: cooper@gmpvt.com (Tom Cooper)
Subject: [9013] Re[2]: Sunspot Cycle Predicted to be LOW
Message-ID: <199701161844.NAA08248@web.gmpvt.com>

The not-so-hot propagation I can live with (maybe I can finish
160M DXCC in 15 years!) but colder weather? Please, nooooo.

My snow shovel and I were just getting to like global warming.

145 (72+73),

Tom W1EAT

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: abraham@NTCSAL01DA.ntc.nokia.com (Abraham Peter NTC\Dallas)
Subject: [9040] RF Exposure (sorry for 2 answers)
Message-ID: <1997Jan16.233455.1604.1217370@ntcit-mmta6.ntc.nokia.com>

Hey Everybody,

Sorry for sending 2 responses.

I thought I accidentally erased the first one, when it was actually sent.
So I wrote a second and sent a second response before realized what
happened.

Sorry for the inconvenience

-Peter

Peter C. Abraham - KB2INO
RF Engineer - Nokia Telecommunications

peter.abraham@ntc.nokia.com
<><

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: km1h@juno.com
Subject: [9019] RF PC Design Software
Message-ID: <19970116.140111.7079.6.km1h@juno.com>

Would somebody please point me to a good program that will not require a 2nd mortgage?

I am looking for something that is easy to learn and use and flexible enough to allow good RF layouts with a combination of discrete components, coils, IC's and maybe even SMD stuff. I have numerous new circuit designs committed to paper but haven't a clue as to how to do a board design and parts screen overlay.

Tnx for any help.

73...Carl KM1H

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: George Dobbs <G3RJV@gqrp.demon.co.uk>
Subject: [9057] Sad News
Message-ID: <1YwEiKA0or3yEw+t@gqrp.demon.co.uk>

I regret to have to announce the death of Alice Burt, wife of George Burt, GM30XX.

Alice died from a heart attack on Monday.

George was inducted into the QRP ARCI "QRP Hall of Fame" last year.

He is the designer of the famous ONER transmitter and the best known QRP DXer in the UK.

I have sent a message of sympathy on behalf of the G QRP Club.

George Dobbs G3RJV

The G QRP Club

g3rjv@gqrp.demon.co.uk

"It is vain to do with more

what can be done with less"

William of Occum (1290-1350)

St.Aidan's Vicarage, 498 Manchester Road, Rochdale, OL11 3HE. U.K.

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>
Subject: [9007] Simple Joys !!
Message-ID: <199701161753.MAA137121@nss2.CC.Lehigh.EDU>

Greetings,

Just a note to let everyone know that the simple things are those that seem to yield the most pleasure. Lat night I finished re-covering the case on a Century 21 transceiver (capable of QRP output levels, BTW). The material is a black vinyl covered cloth fabric - a bit thicker and heavier than Ten-Tec's original. Just a hint - use a really good = contact cement if you try this at home. Anyway, I think the case looks better = than the original - the thicker material makes the covers look thicker and = gives the rig a warmer appearance and sound (you know how much better your car = runs after you wash it &^)).=20

Anyway, the task took a few hours but, in my mind, really shines !! Afterwards, I was able to listen to the pulsating rhythm of the Heard = Island pileups around 7.020 (I think).

72, n3qoo
john

John A. Evans Chief System Administrator
Office: (719) 528-1800 x164 Titan Client/Server Technologies
Fax: (719) 528-1275 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: lhalliday@creo.bc.ca (laura halliday)
Subject: [9031] Sunspots
Message-ID: <199701162024.MAA28777@BC.net>

The sun varies between periods of sunspot cycles, and periods of little or no activity - sometimes called Schwabe Peaks and Maunder Minima, respectively, after the dude who first

systematically observed sunspots and the dude who first noticed a big gap in the observations, respectively.

The last Maunder Minimum was from approximately 1640-1720, and correlates with many things. There were reports from Galileo's time of sunspots. Then *nothing*, with really good astronomers noting that they had finally seen a sunspot after years of looking. Really Good means folks like Cassini and Herschel, who really did know what they were doing. Auroras? Zilch...

This period coincided with a little Ice Age, which caused people to take a great interest in how to produce and use heat. Some argue this was the beginning of the Industrial Revolution. The weather was sufficiently nasty that it snowed - lots - in southern England, and the Thames froze solid enough that people could skate on it.

In the delightful coincidence department, a French king who called himself "Le Roi Soleil" (Louis XIV, "The Sun King"), ascended to the throne in 1643, and died in 1715. His reign thus coincided almost exactly with the Maunder Minimum, when the sun shone perfectly, with no blemishes of any kind.

He was also the fellow who bankrupted an empire to remodel his dad's hunting lodge (Versailles), and whose approach to political power was "L'etat, c'est moi" - I *am* the state. But that's another story...

Laura Halliday VE7LDH	"C'est une femme mutine, assez
lhalliday@creo.com	elegante, grave et legere, ayant le
ve7ldh@amsat.org	sens du confort et du plaisir
Locator: CN89mg	en tout." - C. Deneuve

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Craig LaBarge <74740.3166@compuserve.com>
Subject: [8954] TiCK Keyer Info
Message-ID: <199701152242_MC2-F51-AAA1@compuserve.com>

Gang:

I'm in the process of building a GM-20 and have a TiCK keyer chip on order which I want to build into the case. Can anyone give me a brief overview of how the TiCK chip operates, commands are entered, etc.? I guess,

specifically, my question is this: Can the TiCK be placed in the straight key mode with just the pushbutton or does it require a command entered via paddles? I'm getting ready to drill the case for the GM-20 and was planning to provide an 1/8" stereo jack for the paddles and a momentary contact pushbutton switch for the keyer. If I find myself in a situation where I just have a straight key available (and no paddles), will I be able to get the TiCK keyer into the straight key mode and use the straight key connected to the 1/8" stereo jack?

Does this make sense or should I up the dosage on my medication?

73, Craig WB3GCK

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Scott Bauer <ke3nv@erols.com>
Subject: [8949] tin idea
Message-ID: <199701160320.WAA09365@mx01.erols.com>

Hello QRPers,

I have been hearing a lot of talk about tins for the last few days. I have found the ULTIMATE case for my 38spcl. It has been in my tackle box for over 20 years!!!! It is an aluminum pocket tackle box made by Umco called the P-9. The measurements are 6.5 x 3.5 x 2.25. What makes this box so unique is the fact that both the top and bottom have nice hinged lids. My idea is to mount my 38spcl in this "neato" box with all of the pots and coax connectors inside. It will be Extremely trail friendly as there will be no outside knobs to mess up in the old backpack. All I have to do to operate is open the lid, hook up my antenna and paddles and go to town.

If I were to have any problems with the rig, there would be no problem at all, just open the bottom lid, and I have access to the whole radio.

The case has a real nice textured finish and the corners are slightly rounded. With the 38spcl enclosed, it just looks like a small tackle box, but its really a "Secret Spy Radio". I wonder when someone will try mounting a rig in a shoe, like Max did in Get Smart???

By the way, I wonder if Nils is going to put a mirror beside his bed so he can watch himself glow in the dark tonight :-)

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
QRP Nut SWL Truck Pilot

Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40

S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80, all Sensational rigs.

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [8971] Tonight -- N/T FOX -- Snow Covered
Message-ID: <v03007800af03e10638b2@[129.74.87.62]>

Snow Covered N/T Fox TONIGHT

WD4MSM

Come on out and keep me warm!

I will be on the air TONIGHT
(the LOCAL date is January 16, 1997).

I will operate "near" 7.112 or 7.122
(as conditions warrant). I will be
on the air from 8:00 pm - 10:00 pm
New York (EST) time:

Thursday, January 16th (local date)
8:00 - 10:00 pm local (EST) time
0200 - 0400 UTC
frequency; "near" 7.112+- or 7.122+-
QTH South Bend, Indiana
QRP-L# 642
MFJ 9040 at 5 watts

I will begin near 7.122 +/- and move
near 7.122 +/- as interference warrants

Barry Keating
WD4MSM

p

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: w1aaz@juno.com (Ed Pacyna)
Subject: [8947] What is the value of capacitor marked 104K?
Message-ID: <19970115.215201.9231.0.w1aaz@juno.com>

Having seen numerous posts asking the subject question, here is how to
sort it all out.

It works like resistor color code bands. Digits 1 + 2 are significant and the third digit is a multiplier (i.e. number of zeroes to follow). The result is simply the capacitance in pF.

104 = 100,000pF = .1uF
103 = 10,000pF = .01uF
102 = 1,000pF = .001uF
101 = 100 pF
100 = 10pF (see below)

Values of 100pF and less are usually marked with a "p" suffix to eliminate ambiguity, so 10p = 10pF.

For values below 10pF, the letter "R" is used as a decimal point, therefore 6R8 would be 6.8pF

When a letter immediately follows the capacitance value it represents the tolerance (e.g. J = +/- 5%, K = +/- 10%, M = +/- 20% etc.).

Additional letters and numbers below the capacitance value (or opposite side) represent the tolerance (if it was not already indicated after the capacitance), the voltage rating and temperature characteristic.

So a capacitor marked as follows:

103
K5C

has a value of .01uF, a tolerance of +/- 10%, is rated for 50V and has a X7R temperature characteristic.

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: n4js@amsat.org
Subject: [9043] Wyoming
Message-ID: <XFMail.970116170153.n4js@amsat.org>

Well, I got the QRP+ fired up on 10.115 at about 2145Z, in anticipation of Paul, and got an unexpected bonus. I had a nice QSO with K7DU, in Wyoming, which was a new state for me! This is FUN!

_ _ _ _
 / \ / \ / \ / \
(N)(4)(J)(S)
 _ / _ / _ / _ /

John L. Sielke n4js@amsat.org NJ - FM29LN
n4js@pobox.com n4js@hotmail.com n4js@n4js.ampr.org

<http://www.pobox.com/~n4js>
QRP-ARCI #9328 QRP-L #884 QCWA FISTS #2781 NE-QRP #507

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: talljazz@teleport.com (Dan Presley)
Subject: [9009] Yaesu reflector
Message-ID: <v01530500af0420747115@[206.163.125.148]>

Does anyone know of a reflector or newsgroup for Yeasu rigs?
Thanks
Dan N7CQR

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: John Seboldt <rohrwerk@pconline.com>
Subject: [9051] Z-Match on 160 meters?
Message-ID: <Pine.LNX.3.91.970116163145.10419D-100000@newton.pconline.com>

Having followed the various controversies about balanced and quasi-balanced tuners with interest, I got Charlie Lofgren, W6JJZ's, little e-mail packet about his revised Z-Match.

Up to now, my tuner has been the SPC circuit with a balun on the front end. I have a QRO one kludged together with clip leads and a roller inductor, and a smaller one on a piece of plywood and a tapped T-106-2 toroid. These still serve well, but seeing the suggestion in Charlie's file to use the little plastic variables from Mouser made me wish for a real tiny tuner for use in the field.

So, I adapted the inductance and turns to an available T-106-2 toroid, and built it up on a 2.5 by 3.5 inch piece of 1/4 inch acrylic plastic. Carefully-slotted pieces of wood dowel served as tuning shafts for the capacitors... and terminals were made of 6-32 threaded brass rod put through tapped holes in the plastic and secured with brass nuts. Instead of an output switch, I have 4 terminals, 2 for each output winding, and an extra ground terminal to go unbalanced. A switch for the input capacitor is yet to be added, as is the rest of the enclosure for mechanical protection out in the field.

And, it seems to perform at least as well as the SPC circuit to my intuition, with less fiddling with the third (inductor) adjustment! It can also double as a compact preselector for my DX440 shortwave portable,

which as you may know is pretty useless at night with a full-size outdoor antenna without some kind of input tuning. (Though its resonance at two places could remotely make for some problems, it was still lots better than no tuner!).

The big question is: if I adapt my QRO components for 160 meters, what might be the best approach? Add more capacitance with the same coil? Rescale the whole thing for 1.8-20 MHz or so, and not expect the highest HF bands?

John Seboldt K0JD

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: wd4et@juno.com
Subject: [9028] Re: 38S shipping status report
Message-ID: <19970116.151422.4262.4.wd4et@juno.com>

Jim,

Please don't respond to this. I sure appreciate the work all of you do. I definitely intend to include self-addressed labels on anything I order from Norcal in the future.

Thanks again, Jeff WD4ET

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Kirby, John" <John_Kirby@ATK.COM>
Subject: [9003] RE: 5 Watt RTTY Really Works
Message-ID: <c=US%a=_%p=ATK%1=ATK/MPLS/0004F1AD@Exchange_MN1.ATK.COM>

AI,

At that time I was using:

Xcvt
Kenwood TS 690 (that is equivalent to the TS 450 but includes 6 meters) in the LSB mode (the modem hands off two tone audio) running five watts...

Modem
MFJ 1278

Software

MFJCOM

PC

PB (IBM equil.) 8088

Antenna

G5RV with MFJ QRP tuner.....

By contest time (1, 2 Feb 97) I hope to have my SIERRA and HAMCOM 3.1 up and running. To date its working 5X5 RX mode only...

The SIERRA TX RTTY mode will require true FSK....and I am working on that modification now...

If you are not familiar with HAMCOM 3.1 software (SHAREWARE and available FTP internet or K7SZL's "Unofficial HamCom Home Page --<http://www2.accessone.com/~tmayhan/index.htm>--) by all means get a copy and try it....

The package of software includes schematic for a very unique (simple) hardware modem interface (no power supply necessary its powered via the PC serial I/O)....

ALSO INCLUDED is a software spectrum analyzer (works WOW!!! great) AND a software tuning indicator (works WOW!!! great) AND a software oscilloscope (works OK).....

Keep in touch....

72/7 John

N3AAZ

>-----

>From: AlK0FRP@aol.com[SMTP:AlK0FRP@aol.com]

>Sent: Thursday, January 16, 1997 7:33 AM

>To: John_Kirby@ATK.COM

>Subject: Re: 5 Watt RTTY Really Works

>

>

>JOHN

>WHAT EQUIP DO YOU USE FOR RTTY. I'M THINKING OG TRYING IT AGAIN. HAVE AN OLD

>AEA CP-1, DIDN'T WORK WELL A FEW YEARS AGO. SIGNALS HAD TO BE 20 OVER S 9 TO

>COPY . WANT TO GET A TIME WAVE 599ZX IT HAS A DEMOD IN IT FOR RTTY BUT NEEDS

>A RS232 INPUT TO A TERMINAL UNIT. DON'T WANT TO SPEND BIG BUCKS ON A HAL

>UNIT.

>

>THANKS AL k0FRP

>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: abraham@NTCSAL01DA.ntc.nokia.com (Abraham Peter NTC\Dallas)
Subject: [9036] RE: 900 MHz RF Exposure (kinda long ans
Message-ID: <1997Jan16.225900.1604.1217245@ntcit-mmta6.ntc.nokia.com>

Here are the safe *recommended* RF radiation exposure limits:

Frequency Range (MHz)	Power Density (mW/cm ²)
0.3-3	100
3-30	$900/(f^2)$
30-300	1.0
300-1500	$f/300$
1500-100,000	5.0

I got these values from the Office of Engineering and Technology (OET)
OET Bulletin No. 56, Third Edition, Jan. 1989
(it is a little dated, but good for reference)

* Exposure is defined as average Power Density over 6 minutes.
* These values are designated as useful in the far field.
Far field is dependent on the wavelength and the size of the antenna,
something to the effect of (this needs to be looked up):

$$\frac{(\text{antenna length})^2}{\text{wavelength}}$$

(Not to get off topic but according to the above limits :

at 146 Mhz = 1 mW/cm²

at 1.296 GHz = 4.32 mW/cm²

Why then is the HTs at 1.2 Gigs only allowed a maximum transmit
of 1 watt when a 2 meter HT *theocratically* more damamging and is
allowed to transmit at 5 watts? Is a because of near-field
far-field properties or something else?)

Back to the original question.

Given the following worst case values :

>Frequency (MHz) Authorized Power (watts) ...
>940.00-940.10 150 (ave. output)/75 (ave. output) ...
150 watts = 150000mW

(mW = 1000 * W) or (1000 mW = 1 Watt)

I assume these power levels include antenna gain, cable loss, etc.

..[Deleted Text] ...

> I would be probably 3-8 feet away from these antennas at

> approximately the same height as them.

3 feet is approximately equal to 91 cm. (DISTANCE_1)

(cm = feet * 30.48) or (30.48 cm = 1 foot)

Now the (area of a sphere) = $4 * \pi * (r^2)$;

or for this problem

(area of a sphere) = $4 * \pi * ((\text{distance from antenna})^2)$

So to get Power Density we divide the power by enclosed area.

For DISTANCE_1 we have :

$$\text{Power_Density_1} = \frac{150000 \text{ mW}}{4 * \pi * (91 \text{ cm})^2}$$

$$\text{Power_Density_1} = 1.44 \text{ mW/cm}^2$$

This is our calculated value.

According to the recommendation :

Maximum Power Density at 940.1 MHZ = $f/300$

Maximum Power Density at 940.1 MHZ = $940.1/300$

ANSWER: Maximum Power Density at 940.1 MHZ = 3.13 mW/cm^2

Now we see that :

Power_Density_1 < Maximum Power Density at 940.1 MHZ

$1.44 \text{ mW/cm}^2 < 3.13 \text{ mW/cm}^2$

Therefore (after all this) you are *theortically* safe to work on your antenna. I'm sure there will be other responses.

I personally would not want to be in close proximity to a antenna radiating 150 Watts despite what the numbers say !!!

Hope this helps.

Peter C. Abraham - KB2INO
RF Engineer - Nokia Telecommunications
peter.abraham@ntc.nokia.com
<><

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: abraham@NTCSAL01DA.ntc.nokia.com (Abraham Peter NTC\Dallas)
Subject: [9039] RE: 900 MHz RF Exposure (kinda long ans
Message-ID: <1997Jan16.232800.1604.1217339@ntcit-mmta6.ntc.nokia.com>

Hey Everybody,

Here is what the FCC *recommends* :

Frequency Range MHZ	Power Density mW/cm ²
0.3 - 3	100
3 - 30	$900/(f^2)$
30 - 300	1.0
300 - 1500	$f/300$
1500 - 100,000	5.0

This is from OET Bulletin No.56, Third Edition, Jan. 1989
A bit dated but still useful.

- * This document says there is no real strong proof of correlation between RF exposure and biological effects.
- * Exposure is defined as average Power Density over 6 minutes
- * These values are specified for the far field. The far field is a function of wavelength and physical size of antenna, some to the effect of (this needs to be looked up) :

$$\frac{\text{antenna size}^2}{\text{wavelength}}$$

(Not to get off subject but given the values :

Max recommended at 148 Mhz = 1.0 mW/cm²

Max recommended at 1.296 Ghz = 4.32 mW/cm²

Why then is a 1.2 GHz HT only allowed 1 watt max transmit,
where as a 2-meter HT is allowed 5 watts out, even though
the 2-meter HT is theoretically more dangerous?)

Here are the facts that were posted :

>940.80-940.85 150 (ave. output)/75 (ave. output)
150 Watts = 150000 mW
I assume this includes antenna gain, cable loss, etc.

>I would be probably 3-8 feet away from these antennas at approximately
>the same height as them.
3 feet = 91 cm.
A sphere of radius 91 cm would have an area of :
 area = $4 * \text{Pi} * 91^2$
 area = 104062 cm²

To calculate Power Density, we divide power by enclosed area :

Power Density = 150000/104062
Power Density = 1.44 mW/cm²

The recommended maximum is :
 Max. Recommended = $f/300 = 940.85/300$
 Max. Recommended = 3.14 mW/cm²

***Therefore according to OET recommended guidelines, you are safe. ***

I personally would not want to be in close proximity to an antenna
that is transmitting 150 Watts.

Peter C. Abraham - KB2INO
RF Engineer - Nokia Telecommunications
peter.abraham@ntc.nokia.com
<><

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: km1h@juno.com
Subject: [8942] Re: AOL
Message-ID: <19970115.203433.9887.21.km1h@juno.com>

Thats just what we need. More people running to a slime ball LA lawyer
whose only interest is most likely a new Mercedes.
I wish all the whiners would just shut up for awhile and let AOL and the
others work their way out of their problems. The whole Internet explosion
has taken most providers by suprise and has crippled telephone service in
some areas. I wouldn't be a bit supried to find out that many of the
biggest whiners are part of the problem. You know; the ones that log on
24 hrs a day. Real dick heads IMHO.

73.....Carl KM1H

On Wed, 15 Jan 1997 13:58:03 -0800 "William R. Colbert" <v31xe@dzdn.com> writes:

>Hello everyone. CNN just had a little segment on their noon edition
>concerning AOL. They had an attorney from Los Angeles, Stanley
>Salzman, that has filed a class action law suit against AOL, on the
>behalf of those subscriber that are not happy with the service they
>are not getting. So those that are interested should probably contact
>this lawyer in Los Angeles and maybe there will be some redress in
>the works. Some technical editor from Newsweek was there to defend
>and rebut in favor of AOL, not convincing I might add.

>

>--

>72/73, Ray Colbert, W5XE, SOWP 1064M

>(also af852@rgfn.epcc.edu)

>El Paso, Texas

>

>

>

>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: "J. Skalski" <jskalski@acsu.buffalo.edu>

Subject: [8944] Re: AOL

Message-ID: <Pine.GS0.3.95.970115205622.1117B-100000@orichalc.acsu.buffalo.edu>

In NY the Attorney General's Office is looking into the matter.
I think it is great that the AG is there to protect the masses from
unscrupulous operators and rip offs in general.

73,

Jim N2GO

The Buffalo QRP CONNECTION

ARCI #9013 QRP-L #381

Life member ARRL

jskalski@acsu.Buffalo.EDU

On Wed, 15 Jan 1997 km1h@juno.com wrote:

> Thats just what we need. More people running to a slime ball LA lawyer
> whose only interest is most likely a new Mercedes.
> I wish all the whiners would just shut up for awhile and let AOL and the

> others work their way out of their problems. The whole Internet explosion
> has taken most providers by surprise and has crippled telephone service in
> some areas. I wouldn't be a bit surprised to find out that many of the
> biggest whiners are part of the problem. You know; the ones that log on
> 24 hrs a day. Real dick heads IMHO.
>
> 73.....Carl KM1H
>
>
> On Wed, 15 Jan 1997 13:58:03 -0800 "William R. Colbert" <v31xe@dzn.com>
> writes:
> >Hello everyone. CNN just had a little segment on their noon edition
> >concerning AOL. They had an attorney from Los Angeles, Stanley
> >Salzman, that has filed a class action law suit against AOL, on the
> >behalf of those subscriber that are not happy with the service they
> >are not getting. So those that are interested should probably contact
> >this lawyer in Los Angeles and maybe there will be some redress in
> >the works. Some technical editor from Newsweek was there to defend
> >and rebut in favor of AOL, not convincing I might add.
> >
> >--
> >72/73, Ray Colbert, W5XE, SOWP 1064M
> >(also af852@rgfn.epcc.edu)
> >El Paso, Texas
> >
> >
> >
> >
> >
>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Joseph L. Hartmann, Jr." <joeh@sugar-river.net>
Subject: [8988] Re: AOL and the general state of things
Message-ID: <Pine.BSD/.3.91.970116121134.4296C-1000000@arakis.sugar-river.net>

Hi gang. My "d" key just broke -- now when I see the Re: AOL and... on
the subject line I just can't delete the message -- I HAVE to read it.
Cay you keep all this AOL stuff off the list till I get my keyboard
repaired? I'll let you all know when I get that dang "d" key back, since
I want to follow some of the AOL discussion.

Thanks, (especially thanks to Nils who gave me the courage (by example)
to post this).

Best Regards,

Joe Hartmann Tel: (603) 863 6073
K2AJV -issued email: joeh@sugar-river.net
1951 home-page: <http://www.sugar-river.net/~joeh>

First Student at the:

Linux Academy in the Sunshine Town of Newport, NH

Thanks to RMS, Linus, and other contributors of free software!

----- I grant this to the public domain -----

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Jim Kortge, K8IQY" <jokortge@tir.com>
Subject: [9052] Re: contest software
Message-ID: <1.5.4.16.19970116235317.23ffc3d2@tir.com>

At 10:37 AM 1/16/97 -0600, you wrote:

>anyone know of any DOS based contest freeware/shareware I might be
>able to download today to do this weekend's contest. .tried the
>log 405, but it won't run on an old 8086 machine (don't laugh ..
>had a big 20 mb drive)

>

>thanks

>

>Jeff

>

>

Jeff...how fancy you looking for? I wrote a DOS based logging
program for the local ham club quite a few years back, specifically
for field day logging, using 8086 and 8088 CPU laptops. I still
use it for most of the contests I work. If you can use something
like that, and can receive e-mail with attached binary files, I'll
be happy to send it to you.

Let me know.....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com	__o	Cascade 17/40 SSB
Fenton, MI	_'\<	Mizuho 17/40 SSB
...	(*)/(*)	...

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Harvey D. D. Hetland <HDHETLAND@paccd.cc.ca.us>
Subject: Re: Drake listserver

Yes, there is a mail list for R. L. Drake equipment. To subscribe
send a message to

listserv@fablotz.min.net

In the text of the message include a line with the following
statement:

subscribe drake

The list is maintained by Thom LaCosta, K3HRN whose address is:

thom@fablotz.min.qis.net

73, Harvey, N6MM.

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Martin Squicciarini <skitch@resuba.com>
Subject: [9000] Re: Drake listserver (fwd)
Message-ID: <Pine.LNX.3.91.970116123439.13635J-1000000@resuba.com>

Several people have asked for information about a Drake listserver and
this is what was set to me. I have subscribed and hope to see you on
that list also.

72/73
Marty Squicciarini NR3Z
skitch@resuba.com (home)
msquicci@vf.lmms.lmco.com (work)

----- Forwarded message -----
From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [8967] Re: Dust Covers
Message-ID: <2.2.16.19970116120233.29cf0586@popd.ix.netcom.com>

At 08:36 15-01-97 -0800, AA3MD wrote:

>
>Just received my dust-cover for my Kent Paddles. Really really
>nice...clear plexi with my call engraved and only \$14.00 with shipping.
>

>I have no financial interest in these items, just wanted to pass on a
>useful product. The manufacturer advertises in QST, but didn't mention
>Kent Paddles. I called him and he said he could get the measurements
>and make me one. In less than a week I had a finished piece! So those
>familiar with his ad in QST classified under dust-covers...HE DOES DO
>KENT!

>

>CU,

>Craig, AA3MD

>

>Larry Stamm, WB3EVL

>28 Topton Road

>Kutztown, PA 19530

>E-Mail: lstamm@early.com

>

I measured my Jones Key iambic paddles for Larry and he made a nice cover for them, too.. The cover rests on the base of the paddle, not on the table (like some of the other's that advertise in QST), so it provides great protection for your paddles if you move them around or take them camping.. Mine has been on 2 trips to Belize and 4 Field Days on 4x4 roads..

I highly recommend his dust-covers!

73 -- Glenn

Duct Tape is like the Force: It has a light side, and a
dark side, and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Ken Lopez <kjllopez@earthlink.net>
Subject: [8993] Re: Dust Covers
Message-ID: <32DE4B67.67D6@earthlink.net>

Which cover manufacturer are you speaking of? I think there may be more than one.

Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Joseph L. Hartmann, Jr." <joe@sugar-river.net>
Subject: [9055] Re: email addr for AI1H
Message-ID: <Pine.BSD/.3.91.970116184717.13238A-100000@arakis.sugar-river.net>

On Thu, 16 Jan 1997, KA5T Larry Wise wrote:

> Does anyone have an email address for
> Frank Witt AI1H???

Frank Witt has an email address of fjw@world.std.com , as may be
seen by a search for his call sign at URL:
<http://www.qrz.com/cgi-bin/webcall>

Nice URL.

Best Regards,

Joe Hartmann Tel: (603) 863 6073
K2AJV -issued email: joe@sugar-river.net
1951 home-page: <http://www.sugar-river.net/~joe>

First Student at the:

Linux Academy in the Sunshine Town of Newport, NH

Thanks to RMS, Linus, and other contributors of free software!
----- I grant this to the public domain -----

>
> Want to ask a few questions about the
> ant tuner test stuff that he did which was
> reported on the Apr/May 95 QST.
>
> Has anyone done any efficiency testing
> on any other antenna tuners than those
> tested by AI1H??? If so how about posting
> results??
>
> Missed the IA FS station yesterday...
> Heard him on 80 and 40 but just couldn't
> get through the QRN/prog condx....
>
> Sigh...
>

> Larry
>
>
> KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89
> ex: KN8OSG K8OSG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 Fl)
>
>
>

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Joseph L. Hartmann, Jr." <joeh@sugar-river.net>
Subject: [9061] Re: email addr for AI1H
Message-ID: <Pine.BSD/.3.91.970116193647.13238C-1000000@arakis.sugar-river.net>

Sorry for the error: the URL should be:

<http://www.qrz.com/cgi-bin/webcall>

Joe H.

On Thu, 16 Jan 1997, Joseph L. Hartmann, Jr. wrote:

>
>
> On Thu, 16 Jan 1997, KA5T Larry Wise wrote:
>
> > Does anyone have an email address for
> > Frank Witt AI1H???
>
> Frank Witt has an email address of fjw@world.std.com , as may be
> seen by a search for his call sign at URL:
> <http://www.qrz.com/cgi-bin/webcall>
>
> Nice URL.
>
> Best Regards,
>
> Joe Hartmann Tel: (603) 863 6073
> K2AJV -issued email: joeh@sugar-river.net
> 1951 home-page: <http://www.sugar-river.net/~joeh>
> -----
> First Student at the:
>
> Linux Academy in the Sunshine Town of Newport, NH
>
> Thanks to RMS, Linus, and other contributors of free software!

> ----- I grant this to the public domain -----
>
>
> >
> > Want to ask a few questions about the
> > ant tuner test stuff that he did which was
> > reported on the Apr/May 95 QST.
> >
> > Has anyone done any efficiency testing
> > on any other antenna tuners than those
> > tested by AI1H??? If so how about posting
> > results??
> >
> > Missed the IA FS station yesterday...
> > Heard him on 80 and 40 but just couldn't
> > get through the QRN/prog condx....
> >
> > Sigh...
> >
> > Larry
> >
> >
> > KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89
> > ex: KN8OSG K8OSG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 Fl)
> >
> >
> >
>
>

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Bob Follett" <bfollett@ditell.com>
Subject: [9014] RE: FDIM Registration TO-DATE
Message-ID: <199701161826.LAA03086@orion.ditell.com>

Gang:

The following is a list of those who have paid FDIM Registration with me:

Benson	Dave	NN1G
Carr	Mike	WA1QAA
Corbin	Lowell	W8IQB
Corbin	Robin	NI9R
Evans	Ken	W4DU
Everhart	Joe	N2CX

Gaffney	Bernard	N8PVZ
Greer	Jeffrey	WD4ETO
Hintz	Gus	W2ZHA
Karty	Steven	N5SK
Lynch	Martin	KA1LXG
Midkiff	Monte	N7TAU
Owen	James	K4CGY
Passione	Vince	WA2ECP
Puckett	Dan	WD8AAU
Reid	Glen	K5HGB
Rosenfeld	Scott	NF3I
Schill	Bob	N9ZZ
Stafford	Jim	W4QO
Windish	Walt	KB2JE
Winkler	Dan	N7IVR

For those of you wishing to register for the FDIM day-long conference, please send me a check, MO, for \$30 US made out to: Bob Follett. Address is below. Acknowledgment will be by periodic postings to this list, and you will receive a custom badge at the door in Dayton -- Days Inn South.

73, Bob

 Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
 2861 Estates Dr. VOICE: 801.649.6457
 Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
 From: tahrens1@juno.com (Tim H. Ahrens)
 Subject: [8979] Re: FOX for 22 January (21 local)
 Message-ID: <19970116.093110.15695.8.tahrens1@juno.com>

Do not try to adjust your set
 we are in control
 you have no chance to win
 you will make only 32 contacts
 blah
 blah
 blah

Hi Tim - can't wait! Hope to cu on tuesday

Tim W5FN

p.s. Good Luck!

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: tahrens1@juno.com (Tim H. Ahrens)
Subject: [8984] Re: FOX for 22 January (21 local)
Message-ID: <19970116.100739.15695.11.tahrens1@juno.com>

00PS, Had the 'Reply to all' box selected...
That message was meant for AB50U only. Please
don't read it. hehe

Tim W5FN

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Dean Marzocca" <n2tnn@ifu.net>
Subject: [8958] Re: FOX report for Monday night.
Message-ID: <199701160424.XAA00797@mail.ifu.net>

Ron,

Thanks for the contact. I listened all night and a few
times I heard the pack and bits of your transmission. I
looked at the clock and there was one minute to go. The
band went dead and I heard CQ FOX. I immediately replied
and that was the reason for the fast keyer speed. I wanted
to get in before the trash all came back. Very nice signal
when the QRM was gone.

One more tail for the wall.....

72, Dean

again. Sorry about that.

>

> Dean, N2TNN, finished the night off as the last contact.

>

> Here is my log:

>

> 0107 KA1AXY 449 559 Peter MA 260

> 0109 N1PVP 449 (one of those other qso's going on?)

> 0118 KU4AF 339 549 John NC 5w
 > 0120 N1QQV 229 339 Ken CT 400
 > 0124 W2DP 449 ??? Bob NJ 805
 > 0128 K4WZ 449 439 Ron GA 924
 > 0130 KC1FB 339 (first try wasn't complete)
 > 0135 WZ2T 339 (First try wasn't complete)
 > 0142 KE4YH 339 339 Stew FL 590
 > 0146 WZ2T 339 229 Rick NY 122
 > 0148 KC1FB 339 359 Jim CT 29
 > 0152 N4JS 449 449 John NJ 883
 > 0153 AA2ZW 339 579 Bob NY (part of another qso?)
 > 0159 WY1W 229 329 Buch CT 567
 > 0212 AD1E 449 339 John ME 500w
 > (I bet this one doesn't count dose it Chuck?)
 > 021? WA1?? (just caught part of the call, no go)
 > 0221 AB5OU 229 (wasn't meant to be)
 > 0230 KA5T 339 339 Larry TX 89
 > 0233 W5FN 339 339 Tim TX 586
 > 0235 NI0A 339 449 John NM 689
 > 0243 WA1??? 119 229 Jim?
 > 0250 W5XE 339 439 Ray TX 256
 > 0252 K10J 339 449 OJ TX 732
 > 0258 N2TNN 339 559 Dean NJ 560
 >
 > TX 4, NJ 3, CT 3,
 > GA FL MA ME NC NM NY
 >

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
 From: Richard Wilkerson <richqrp@pacbell.net>
 Subject: [8941] Re: FYBO Field Day Plans - Ideas?
 Message-ID: <32DD8546.1E80@pacbell.net>

Joe Gervais wrote:

>
 > Howdy Folks,
 >
 > What's everyone doing for the FYBO QRP Field Day? If
 > you've got plans, please post 'em here!
 >
 > Going to the field and throwing snowballs at the squirrels
 > all day to keep 'em from eating your coax? Staying at home
 > and planning to give an evil chuckle as you give temp
 > reports of 83F to the frozen field ops? Or doing the same
 > on a CA or FL beach?
 >

> The AZ ScQRPions are (so far) breaking into two groups.
> The Sunscreen Patrol is going to stay here in the Valley.
> Rumors of a BBQ, Bermuda shorts, sunglasses and margaritas
> abound. Expect no sympathy from them. :-)

>
> The Frozen Chosen will head up to the Mogollon (that's
> MOE-GHEE-UHN for you non-Zonies) Rim in search of snow and
> freezing wx. Flagstaff had a low of -5F this morning, so
> chances are good they'll find it. And at least *their*
> margaritas won't be melting in the sun. So nyah nyah to
> the Sunscreen Patrol! Yeah, guess which team I'm on... :-)

>
> So where are *you* headed? Or not headed? Got that
> thermometer yet?!? Good. :-)

>
> Five weeks to go folks - plan now before it's too late!

>
> Cheers de AB7TT (ex-KC7NEV),

>
> -Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

Well Joe I hope I can notice your call during the next contest..I could
pull that "NEV" out of any where. I will be in the front seat of my
truck with the AC. on. It works very well, I should be able to get
temps of 40 or so....that will count .. won't it??????????????

72's rich

--

Rich Wilkerson WD6FDD, Santee, Ca.

NorCal, ARCI, Qrp-L, ECRA

scQRPions

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: Steve/NOTU <NOTU@webaccess.net>

Subject: [8945] Re: FYBO Field Day Plans - Ideas?

Message-ID: <32DD8CD0.5745@webaccess.net>

Joe Gervais wrote:

>
> Howdy Folks,
>
> What's everyone doing for the FYBO QRP Field Day? If
> you've got plans, please post 'em here!
>
> Going to the field and throwing snowballs at the squirrels
> all day to keep 'em from eating your coax? Staying at home
> and planning to give an evil chuckle as you give temp

> reports of 83F to the frozen field ops? Or doing the same
 > on a CA or FL beach?
 >
 > The AZ ScQRPions are (so far) breaking into two groups.
 > The Sunscreen Patrol is going to stay here in the Valley.
 > Rumors of a BBQ, Bermuda shorts, sunglasses and margaritas
 > abound. Expect no sympathy from them. :-)
 >
 > The Frozen Chosen will head up to the Mogollon (that's
 > MOE-GHEE-UHN for you non-Zonies) Rim in search of snow and
 > freezing wx. Flagstaff had a low of -5F this morning, so
 > chances are good they'll find it. And at least *their*
 > margaritas won't be melting in the sun. So nyah nyah to
 > the Sunscreen Patrol! Yeah, guess which team I'm on... :-)
 >
 > So where are *you* headed? Or not headed? Got that
 > thermometer yet?!? Good. :-)
 >
 > Five weeks to go folks - plan now before it's too late!
 >
 > Cheers de AB7TT (ex-KC7NEV),
 >
 > -Joe, vole@primenet.com, AZ ScQRPions (Phoenix)
 >
 > PS- Thanks for your support!

Hey Joe & Fellow FYB0ers....not sure what others are up to but I plan to go build a snow cave (sure I'm nuts but I'm also enjoy QRP =~o). The inside temp in the snow cave is typically 25-30 degrees but NO WIND CHILL! My two possible choices for locations are Rabbit Ears Pass near Steamboat, CO and Wolf Creek Pass, CO near ?. Lots of possibilities for antennas and some excellent XC skiing if the bands stink! I'll have a web page up soon to show details...Looking forward to fun time in the snow with QRP!!

STEVE

portable/solar powered QRP QRP-L # 911
 49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO ARS # 206

-----C_U L____D_E____N_O_T_U____.____

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
 From: Dale Anderson <dalea@artemis.fc.hp.com>
 Subject: [8952] Re: FYB0 Field Day Plans - Ideas?

Message-ID: <9701160335.AA05177@artemis.fc.hp.com>

Steve/NOTU wrote:

>CHILL! My two possible choices for locations are Rabbit Ears Pass near
>Steamboat, CO and Wolf Creek Pass, CO near ?. Lots of possibilities for

FINE! Well I've got first dibs on Cameron Pass! So there!

-Dale, KB0VCC
Fort Collins, CO
QRP-L #91 / CQC #251

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: w77kxb@juno.com (William Harris)
Subject: [9044] Re: FYBO Field Day Plans - Ideas?
Message-ID: <19970116.145647.4855.1.w77kxb@juno.com>

Dale:

Make it the room below, or above, the Silver Slipper Saloon in
Silverton and I'll join you.

72's
Bill W7KXB
Mesa, Az
16/2155z

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: wa5whn@juno.com (Jay D Miller)
Subject: [8981] Re: FYBO Where's everyone going ?
Message-ID: <19970116.084841.4495.0.wa5whn@juno.com>

QRP-Lers,

If, by chance, all of You copy a cw signal that makes no sense, has
that canary bird sound (chirp), that will probably be us (W5BI & I). It
is not an encrypted message, it's just us, frozen. ;-) But, as my
lovely Bride (WB5LYJ) says, "You (me) are incoherent anyway, so no one
will be able to tell the difference." :-)

Where are we going for FYBO ? Well, our first choice is still Mt. Taylor (62 statute miles west of Albuquerque, New Mexico), elevation: 11,000+ feet, at -18 deg. F. Probably over 70" of snow on top now, or our ARRL Field Day site, 63 miles NW of Albuquerque (elevation: 9.6K feet), which is currently buried under 4 feet of snow. If You would like to see what our site looks like, without the snow, try the following URL;

<http://www.flash.net/~w5bi/>

click on "Done Deeds".

This URL will be updated periodically. Ah, yes, we do know what the dog (Adora) is doing in the first photo.

Hey Joe (AB7TT), if we catch anymore of those saucer shaped vehicles, pictured in the above URL, we will save You one. Vehicle EMI is a problem. It's over 50 years old. So it has a few bugs, only driven around the galaxy once, by a little old alien, who now owns a small store in Rachell, Nev.. Right Ron (KU7Y) ? ;-) We plan on using this vehicle as a multiplier for the NorCal QRPTTF event scheduled for April 26, 1997. SASE to WU7F for details about the NorCal QRPTTF.

We are taking along a vertical antenna, simply because we want to shake the ice & snow drifts off, plus we are bringing along (serious) a 5K BTU heater to keep the batteries warm. Our sleeping bags are good to -40 deg. F, plus we will have artic wx gear. None of the kits, to date, had survived the cold test (down to 15 deg. F), so, we plan on keeping them at a comfortable 35+ deg. F (Another heater), in a very old tent. LCDs are useless at this temperature, but the rules read, the "KEY" or "MICROPHONE" temperatures, right Joe ? So, if You stick Your' gloved hand & key outside, does that still qualify ? :-) Honest, we have done this before. Don't forget, take photos. Send those email reports & JPGs to AB7TT (vole@primenet.com).

A word of caution, we may joke about this event, but, unless You have experience in extreme wx conditions, and are not prepared, stay home, and listen for us. Have a cup of hot chocolate for us. Well, at least there will not be any scorpions (except the 2 legged kind) or snakes out this time of year :-) Bears & Pumas, yes, but none of the crawling creatures that normally seek warmth with You, out in the desert.

OK, how many of You are members of the Polar Bear Club ?

Remember, if you copy the following message, with that canary bird sound;

"X18YUWAHI,". It might be us. Talk to most of You during FYBO (email AB7TT for details, vole@primenet.com).

72,...Jay, WX5 EEEEEEEEEEE WA5J

EEEEEEEEEEEE WA5WHN 8-)

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [9015] Re: G3YCC 5 WATT PA
Message-ID: <853437865.612596.0@gqrpclub.demon.co.uk>

Yes, sorry about the typo - at least it shows you are on your toes!
Have fun.

---72/3---Frank G3YCC G QRP 042
QTHR (Kirk Ella, East Yorkshire)
QRP Web sites: <http://www.gqrpclub.demon.co.uk>
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [8968] Re: GreyLine Propagation?
Message-ID: <2.2.16.19970116123157.3817682a@popd.ix.netcom.com>

At 19:29 15-01-97 -0600, KA9KQH wrote:
>Recently Greyline propagation was mentioned on this list. Since
>propagation is a major part of qrp, could someone explain this concept
>in a bit more depth?
>
>de KA9KQH, Dwayne
>--

Hello Dwayne.. It seems that HF signals are reflected in unusual ways as the sun is just starting to energize the ionosphere layers in the morning, and again as it is stopping in the evening. According to information on it in the ARRL book "Low Band DXing" by ON4UN, at sunrise (your local time) HF signals that would normally not be reflected, or would be reflected back at a sharp angle, will reflect out at a more shallow angle than that which they went up at.. That is what makes DX propagation possible when it wasn't in darkness, and probably won't in the full daylight, along that particular path.. The signals tend to follow the 'line' of newly energized ionosphere around the globe, and that's called the gray line..

It's interesting to run one of the gray-line programs and see the difference from the winter solstice to the summer solstice times of the year.. You'll see that the gray-line goes in completely different

directions.. It has an interesting path at the spring and fall equinoxes, too.. Just plug in dates for the different times of the year, at your approximate local sunrise or sunset hours.. Makes you get out a globe to see how the sun does that!

Have fun! -- Glenn

Duct Tape is like the Force: It has a light side, and a dark side, and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [8992] Re: GreyLine Propagation?
Message-ID: <8D031DD.0004001909.uuout@cheaha.com>

-> in the ARRL book "Low Band DXing" by ON4UN, at sunrise (your local
-> time) HF signals that would normally not be reflected, or would be
-> reflected back at a sharp angle, will reflect out at a more shallow
-> angle than that which they went up at.. That is what makes DX
-> propagation possible when it wasn't in darkness, and probably won't
-> in the full daylight, along that particular path..

Also, the demise of the D-layer has a lot to with. As the sun sets the D-layer "dissolves" quickly leaving the F-layers still in good shape for a while. Since the D-layer has gone no absorption of signals are experienced and thus more of your signal is sent to the still-good F-layers for a stronger "skip". And, of course, anyone on down the "line" having the same greyline will have similar good conditions, thus two stations on the greyline at the same time both have an enhancement on band conditions. After a while though, the F-layers begin to weaken from the absence of sunlight and conditions return to a more average, normal state. Similar happenings cause the morning time greyline scenario.

Another thing I thought about was altitude of the D-layers versus the F-layers. Since the F-layers are higher in altitude sunlight will hit those sooner (or later) than they will the D-layer. I assume this will also be a point of enhancement for greyline propagation.

I'm a rookie here, so I openly stand to be corrected on this.
Feel free to straighten me out. :)

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

```

+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>

Subject: [8955] Re: Hawaii Happenings

Message-ID: <970116033930_70511.3041_IHD77-1@CompuServe.COM>

Brad:

Here is a potential lead for Oahu hams (taken from WorldRadio, Jan 97,
p.42, col 4):

Emergency Amateur Radio Club (EARC)
P.O. Box 30315
Honolulu, HI 96820-0315

-> Info: 808-833-6944,WH6CZB

May be that he could get you plugged into Oahu hams and dealers. Again,
I will be watching for you.

Mahalo nui loa for serving as the FOX.

Aloha oe es 72/73,

--Doc/K0EVZ QRP-L #861

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: "Bob Follett" <bfollett@ditell.com>

Subject: [8990] RE: Internet Flat Rate/AOL Problems

Message-ID: <199701161646.JAA32477@orion.ditell.com>

Gang:

By now, you have all heard of the AOL fiasco with flat rate. Now the telecomms. industry is saying:

<<

(AP) - Time is running out for Internet users who go online under an unlimited, flat-rate plan. The plan is costing Internet providers money, tying up phone lines and making it difficult for others to log in. Netcom On-line Communications Service of San Jose, a pioneer of the flat-rate price, plans to announce a return to hourly rates next month. Other Internet providers, while still allowing unlimited usage, are charging double the going rate. In the next few years, other companies are expected to discontinue flat rates and return to some form of an hourly charge.>>

I might mention, PacBell, the Baby Bell in California, will likely lead the charge to push the FCC into reversing its decision to require them to provide digital access from your home without any extra usage surcharge. For you older "digiheads" out there from Colorado, I am sure you can remember when my "beloved" US-West created a monthly surcharge for any line that had a modem attached.

On the other hand, unlimited usage clearly acerbates the problem, as there is no longer an incentive to log off, which inefficiently uses up telco resources, which, of course, were "never forecast to accommodate the digital revolution".

For example, while I clearly empathize with Dan Keen's AOL problem, and his attempts to get his money back, there are probably a large number of AOL users that "fixed their problem" by logging on at, say, 3am, and just stay connected until the next power outage, millennium, or whatever.

Too much rambling, but the writing is on the wall folks, there will be a strong move to "re-incent" modem users to minimize connect time....Also notice the cable companies, led by TCI, backing away from any future plans for cable modems.

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: Bob Hightower <ki7mn@dancris.com>
Subject: [9005] RE: Internet Flat Rate/AOL Problems
Message-ID: <199701161748.KAA04802@dancris.com>

At 08:39 AM 1/16/97 -0700, you wrote:

>On the other hand, unlimited usage clearly acerbrates the problem, as there is
>no longer an incentive to log off, which inefficiently uses up telco
>resources, which, of course, were "never forecast to accommodate the digital
>revolution".

>

>For example, while I clearly empathize with Dan Keen's AOL problem, and his
>attempts to get his money back, there are probably a large number of AOL users
>that "fixed their problem" by logging on at, say, 3am, and just stay connected
>until the next power outage, millennium, or whatever.

>

>Too much rambling, but the writing is on the wall folks, there will be a
>strong move to "re-incent" modem users to minimize connect time....Also notice
>the cable companies, led by TCI, backing away from any future plans for cable
>modems.

>

My provider/employer has come up with a solution. After encountering many
users 'camping out' all day on the service...after a period of time, with no
discernible activity, they are knocked off. Some of the reasons for staying
connected, even when not at home, are that they want to have their e-mail
when they get home, they want to see how long the connection will stay up, etc.

Some of them even log on at home, leave for work, log on again at work with
same userid/password. We have caught them and terminated the second logon,
which really tees them off. Also wakes them up to the fact that unlimited
access does not mean unlimited unattended access.

73,

Bob KI7MN Chandler, AZ Grid DM43BI Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: kd1jv@juno.com (Steven Weber)
Subject: [9021] RE: Internet woes and RF spectrum
Message-ID: <19970116.142935.7743.9.KD1JV@juno.com>

I guess this news slipped by without many noticing.

Earlier this week the FCC announced the creation of 5, 100 Mhz wide

bands in the 5 Ghz area to be license free and to be used to interconnect Internet nodes. This will eliminate the need for telco trunk connections and provide cheaper service.

One of the 100 Mhz bands falls into one of the current Ham bands for 5 GHz. We lost some spectrum, but for a good cause. What's even more note worthy is they didn't sell the spectrum, but are giving it away!

Be a while before equipment is built for this, but there is hope...And maybe the FCC did something right this time..

de KD1JV, Steve.

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Joseph L. Hartmann, Jr." <joe@sugar-river.net>
Subject: [9024] RE: Internet woes and RF spectrum
Message-ID: <Pine.BSD/.3.91.970116151109.20269F-100000@arakis.sugar-river.net>

WOW! "SLIPPED BY" IS AN UNDERSTATEMENT.

THIS ***IS*** NEWS STEVE. THANK YOU.

How do you go about finding info such as this, Steve?

Best Regards,

Joe Hartmann Tel: (603) 863 6073
K2AJV -issued email: joe@sugar-river.net
1951 home-page: <http://www.sugar-river.net/~joe>

First Student at the:

Linux Academy in the Sunshine Town of Newport, NH

Thanks to RMS, Linus, and other contributors of free software!
----- I grant this to the public domain -----

On Thu, 16 Jan 1997, Steven Weber wrote:

> I guess this news slipped by without many noticing.
>
>

> Earlier this week the FCC announced the creation of 5, 100 Mhz wide
> bands in the 5 Ghz area to be license free and to be used to
> interconnect Internet nodes. This will eliminate the need for telco
> trunk connections and provide cheaper service.
>
>
> One of the 100 Mhz bands falls into one of the current Ham bands for 5
> GHz. We lost some spectrum, but for a good cause. What's even more note
> worthy is they didn't sell the spectrum, but are giving it away!
>
>
> Be a while before equipment is built for this, but there is hope...And
> maybe the FCC did something right this time..
>
> de KD1JV, Steve.
>
>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [9025] RE: Internet woes and RF spectrum
Message-ID: <v01540b01af04375f0b3e@[157.142.56.167]>

>WOW! "SLIPPED BY" IS AN UNDERSTATEMENT.
>
>THIS ***IS*** NEWS STEVE. THANK YOU.
>
>How do you go about finding info such as this, Steve?
>
>Best Regards,
>
>Joe Hartmann Tel: (603) 863 6073

This topic was discussed on NPR's Morning Edition two or three days ago.
By the end of the week you should be able to listen to the segment at their
Web site:

<http://www.realaudio.com/content/npr.html>

RealAudio (tm) is required to listen to any of the files; instructions on
downloading this program are given at the NPR site.

Mike N5JKY
Edmond, OK

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [8966] Re: January NJ-QRP Meeting Jan. 25
Message-ID: <199701161117.GAA26587@alaska.magpage.com>

The next NJ-QRP Meeting is set for Saturday, January 25

Location will be near Cherry Hill, NJ with directions to follow.

So Far.....KA5DVS James
K3QIO Jim
N2CX Joe
WA2UUN Clark
W2DP Bill Host for this month, Delran, NJ
WB2RAR Rich
N2APB George
N2ELW Larry
AA2BN John
WA2ECP Vince
W2GUM Tony
K3HW Howard
K2HPV Herb
N2SMH Dave 3 hour ride maybe, maybe not.
N2TNN Dean
KC2AHB Paul

Bill Creekmore will host this month's meeting and will post directions to the NJ-QRP reflector. Bill is located near Cherry Hill.

WHO ELSE WILL BE THERE?

Jim K3QIO Delaware

(one time posting to QRP-L for the East coast)

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: rright@primenet.com (Roger Hightower)
Subject: [9056] Re: Jim, Ori, Dave, Paul & Doug Are Smiling
Message-ID: <199701162314.QAA03226@primenet.com>

At 02:33 PM 1/16/97 -0800, Doug Hendricks wrote:

>We would like to have your mods, comments and suggestions for building as
>soon as you have them. Many of you have asked why we do this. The reason
>is that we like to share in your fun as you build your kit. Please post to
>the net any improvements or mods that you might find. This is what makes
>for a better QRP environment. QRPers helping QRPers.

>

Gee, Doug. I said I was going to wait, but just couldn't do it. What do
you guys spray on the package? Some kind of radio-pheromone, I'll bet.

That little critter just sat there and subliminally called to me. Finally
started winding toroids. Your wire measurements are a little
generous.....easy to come out on the short end after four toroids and one
transformer. I wind tight, so was a little conservative on the wire lengths.

It must be hungry...I can hear it calling for solder now. Gotta ignore it,
or I'll never get dinner ready for the xyl, then I'll be in _big_ trouble.

>Oh, one more thing, how is the weather in Dayton???

>

Don't know abt Dayton, but it's cold and grey here. Great building weather, :-)

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more to
come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [9032] Re: LDG Autotuner R/S cabinet dimensions.
Message-ID: <19970116.132214.10198.0.gsurrency@juno.com>

I emailed it to Bob, KI7MN, and he agreed to put it up on his website. If
anyone still wants it emailed direct, let me know. Juno won't permit
attached files, so I have to switch over to Netscape to get them emailed.
Small inconvenience, true, but I'd like to avoid doing it a number of
times.

73,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [9034] Re: LDG Autotuner R/S cabinet dimensions.
Message-ID: <199701162042.NAA14205@dancris.com>

At 03:23 PM 1/16/97 EST, you wrote:

>I emailed it to Bob, KI7MN, and he agreed to put it up on his website. If
>anyone still wants it emailed direct, let me know. Juno won't permit
>attached files, so I have to switch over to Netscape to get them emailed.
>Small inconvenience, true, but I'd like to avoid doing it a number of
>times.
>
>

Thanks, Gary, for the drawings. They are on the site now, on the main page
just above the Directory.

73,

Bob KI7MN Chandler, AZ Grid DM43BI Lat 33.334500 Long -111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Roger Hightower <rhight@primenet.com>
Subject: [8985] Re: LDG QRP tuner hint needed
Message-ID: <32DE5496.6D7E@primenet.com>

Jay & Jackie wrote:

>
> Hi,
> I'm just finishing up the QRP tuner and have a concern regarding the
> mounting of the toroids. Each was wound in the same direction....My
> question, do I mount each one exactly the same way? Meaning, should the
> beginning wire on (say) the left always go into the mounting hole on the
> right? Does it make any difference if some are turned backwards?
> Hope I'm making myself clear, but I do not know if the coils
> interact so must be all aligned perfectly, wound, and mounted the same.
If you wound them all correctly, when you stand the toroid up in it's
spot, the leads should naturally fall near the holes in the board. Sort
of like plugging them in. If that doesn't happen, you did something
wrong in the winding.

Hold the toroid in your left hand, pass the wire from the top through

the hole for the first turn, then continue passing it through in a ccw direction. When finished, you will have a loose (bitter for you sailors out there) end coming off the top side and one off the bottom side. Stand the toroid up, and you will see that that alignment matches the holes in the board.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more
to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: wd4et@juno.com
Subject: [9027] Re: LDG QRP tuner hint needed
Message-ID: <19970116.151422.4262.1.wd4et@juno.com>

Roger,

 If toroids have bitter ends, does that mean we need to call the
holes in the circuit board hawes pipes? :)

 Jeff, WD4ET, CMC (Certified Marine Chemist, not Chief Master
Chief)

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: rhight@primenet.com (Roger Hightower)
Subject: [9033] Re: LDG QRP tuner hint needed
Message-ID: <199701162027.NAA18837@primenet.com>

At 02:26 PM 1/16/97 EST, wd4et@juno.com wrote:

>Roger,

> If toroids have bitter ends, does that mean we need to call the
>holes in the circuit board hawes pipes? :)

> Jeff, WD4ET, CMC (Certified Marine Chemist, not Chief Master
>Chief)

>

>

Could be, but it's "hawse", a corruption of "hose", which was used to wash
the mud off the anchor and chain.

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more to
come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Chris Cartwright <ccart@vidtel.com>
Subject: [8986] Re: LDG tuner bandwagon WEIGHTED DOWN...
Message-ID: <Pine.LNX.3.93.970116111104.655A-1000000@dns.vidtel.com>

On Thu, 16 Jan 1997, Scott Rosenfeld NF3I wrote:

> AT-11 tuners 31
> enclosures 27
> QRP tuners 32 (yes, more than the AT-11s)
> enclosures 22
>
> yes, the group buy is on until TOMORROW MIDNIGHT...PLEASE, have mercy my
> friends!!!

Just wanted to say thanks for the service you are doing for all of us. I think most of us have a fair idea of how much work goes into not only the packing and shipping, but the co-ordination of and en-masse purchase with a single point of contact. So once again Thank You!!

What?... Did I hear something about another price break at 50 ???

JUST KIDDING!!!! Hold on gang, too many and it will be the tuner the broke the bandwagons (or NF3I's) back!

73

-- Christopher Cartwright, Tech. Engineer		...our chief weapons are fear,
-- Voice 301.990.0735 N3XRV QRP-L #655		fear and surprise, and nice
-- Mail ccart@vidtel.com		red uniforms, oh damn!!
-- ccart@erols.com		-- Monty Python

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Chuck (Jack) Hawley" <c-hawley@uiuc.edu>
Subject: [8978] Re: Matching 102 ft Dipole #2
Message-ID: <32DE4617.1A1@uiuc.edu>

Cecil A Moore wrote:

> The antenna impedance is obtained from EZNEC. The rest of the
> data then comes from MicroSmith. It assumes the 450 ohm ladder-
> line has a velocity factor of 0.9. The following are only
> starting points. Every antenna is different. This one was
> modeled at 40 ft high and horizontal. As the frequency goes
> up the unknowns multiply so this data tends to be much more

I haven't found the impedances obtained from the antenna analysis program(s) to be all that accurate or usefull. I have a 204 ft dipole bent in the form of a half square all horizontal at about 40 feet. Everything on my 90 by 140 foot lot is directly under it including the ground that I guess is pastoral (good ground). I have used a bridge to measure the impedance at the end of my 4 inch open wire line (70 feet long, part of which runs somewhat horizontal about 20 feet below one side of the dipole). I have checked my bridge measurements by calculating the necessary L network values to bring the impedance to 50 ohms and found the bridge values to be accurate (you could just tune the end of the line to 50 ohms through the L network and use the L network values to calculate the impedance at the end of the line as well). Then using these readings, I worked backwards using Microsmith and found the impedance at the antenna to be different from the antenna program values....enough different to be not as usefull as I would have liked. I believe that the environment around my antenna is just too unknown to make much use of the impedance values. More segments and different grounds don't change the values a lot. I wonder how I can model my environment to get better values?

Chuck, KE9UW

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [8965] Re: OHR kits and solder
Message-ID: <8D02566.00040018F4.uuout@cheaha.com>

-> Joe is right. The flux in a "solid" state is
-> inactive. When mixed with a solvent, it becomes active
-> at room temperature. So you either MAKE SURE you've cleaned
-> it ALL OFF, or you leave it alone in its solid form in
-> harmless little crystalline blobs.

Well, I've received info that suggested washing the boards and not washing the boards. Looks like the majority says to not wash the boards. Those that do say to wash them seem to agree that you have to wash them *very* good, some even mentioning that specific cleaning

agents should be used. I called OHR and talked to Jim(?) about washing the board. He said not to worry with it. I'm lazy....I don't think I'll fuss with washing it. Tnx

Tnx Glen es all the others who replied to my query.
Ain't this group great!

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

```
+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: Todd Nichols <nichols@rtp.ericsson.se>

Subject: [8977] Re: OHR kits and solder

Message-ID: <199701161456.JAA16826@rtppub>

As far as cleaning the flux residue off your boards...

If the circuitry is CMOS, GET IT OFF!! (The flux, not the circuitry :-)
The resistance of flux is a lot lower than that of plain old G10 or FR-4.
It's low enough that the microamps that some CMOS uses can flow through it just fine. I built a CMOS iambic keyer 5 years ago from the handbook, and didn't clean the flux off. Didn't work. Cleaned the flux off. Worked.

I have left flux on boards for a decade, with no apparent ill effects. But if your circuit is CMOS, or if it has stuff like sensitive analog circuitry with very low signal levels, low input bias current op amps, or such, then you'd best clean it - and clean it good.

Todd

```
-----
Todd Nichols KB0HQU Ericsson Inc. (919) 472-7590
nichols@rtp.ericsson.se Research Triangle Park, NC
"Ensign, set a new course. There's coffee in that nebula!" - Capt. Janeway
```

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: wd4et@juno.com
Subject: [9030] Re: Radioactive Paint
Message-ID: <19970116.151422.4262.2.wd4et@juno.com>

" americium in smoke detectors "

Pardon the bandwidth but I just have to make a comment about smoke detectors.

In January of 1990, my son Billy started a fire in a walkin closet. He was three at the time and playing with a nineteen year old brother's lighter. I just happened to be home after a long night at work. A smoke detector alarm at 10:00 in the morning is unusual. I responded immediately. As I removed him from the closet, the flames were just above his head. He was frozen in place and would not have moved.

If the alarm had not provided the warning, he would have been killed or seriously injured within seconds. We lost the house and contents but there were no injuries.

I preach smoke detectors whenever I get the chance.

Jeff Greer, WD4ET

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: tahrens1@juno.com (Tim H. Ahrens)
Subject: [9037] Re: Radioactive Paint/Smoke Detectors
Message-ID: <19970116.152325.12343.0.tahrens1@juno.com>

>

>Pardon the bandwidth but I just have to make a comment about smoke
>detectors.

>

>In January of 1990, my son Billy started a fire in a walkin closet. He
>was three at the time and playing with a nineteen year old brother's
>lighter. I just happened to be home after a long night at work. A
>smoke detector alarm at 10:00 in the morning is unusual. I responded
>immediately. As I removed him from the closet, the flames were just
>above his head. He was frozen in place and would not have moved.

>

>If the alarm had not provided the warning, he would have been killed
>or seriously injured within seconds. We lost the house and contents
>but there were no injuries.

>

>I preach smoke detectors whenever I get the chance.

Subject: [8964] Re: Re[2]: Direct Digital Synthesiser by G40PE
Message-ID: <Pine.A41.3.95b.970115231421.126768D-100000@homer20.u.washington.edu>

Thanks for the coding info for the shaft encoder, Laura.
I'm thinking I'd like to try doing an implementation using
the I2C bus protocol. Could manage the shaft encoder that
way and also service an LCD display, among other things.
I've got a DDS board up and running but it's full of
birdies, hi hi. I'm using a 10baseT ethernet filter on
the DDS, however the filter's frequency is much too high
for my application. Back to the breadboard....

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Bill Morris Denton <bdenton@tenet.edu>
Subject: [9038] Re: RF PC Design Software
Message-ID: <Pine.OSF.3.91.970116150815.4390A-100000@alpha.tenet.edu>

Try a shareware cd called PC Electronics Plus. Among others it has PC
Draft-CAD PC schematics PCB CAD and PCTRACE plus the usual assortments of
electronics designs and symbols..... It has about 30 programs all electronic.
I bought it from a electronics parts house here in Houston for \$12.95. It's
published by Most Significant Bits Inc. 3702 Colorado Ave. Avon, Ohio 44011.
Tele. 216-934-1397 e-mail- support@msbcd.com I have only scanned
these programs and have used only one. So can't vouch for most of them as
for their usefulness. Some are windows base other are DOS. They all look
interesting. The price is right. On the CD it says in part "programs to
aid and assist in the creation of electronics schematics and double sided
PC board layouts".

Bill W5SB

On Thu, 16 Jan 1997 km1h@JUNO.COM wrote:

> Would somebody please point me to a good program that will not require a
> 2nd mortgage?
> I am looking for something that is easy to learn and use and flexible
> enough to allow good RF layouts with a combination of discrete
> components, coils, IC's and maybe even SMD stuff. I have numerous new
> circuit designs committed to paper but haven't a clue as to how to do a
> board design and parts screen overlay.
>

> Tnx for any help.
>
> 73...Carl KM1H
>
>

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Joseph L. Hartmann, Jr." <joeh@sugar-river.net>
Subject: [9060] Re: RF PC Design Software
Message-ID: <Pine.BSD/.3.91.970116185056.13238B-100000@arakis.sugar-river.net>

Bill's suggestion is probably better, but at least this is a possible option:

PCBoard Layout Program: cost \$99.

It was reviewed in Jan '97 CQ,
by Doug DeMaw -- it is a PC Board layout tool and it can be obtained for DOS from ;

PCBoards
2110 14th Avenue
Birmingham, AL 35205

Author of program: Ralph. A. Lindstrom.

Software was written in Microsoft QuickBasic 4.5 and Assembly Language.

Software comes with printed manual which even a newbie to PC Board layout will be able to understand.

Comes on 3.5 inch diskette.

The program requires:

512K memory or better. DOS 3.0 or later.

EGA or VGA, or SuperVGA, or 8514/A Graphics system.

Hp LaserJet or equivalent printer, or IBM compatible graphics-dot-matrix-printer, or HP or Houston Instruments pen plotter.

The PCBoard layout program does not come with an autorouter. This feature is available as an add-on from PCBoards

PCBoard layout comes with a suite of pre-defined objects such as: pads, dip patterns for IC's, sip layout, various resistor and capacitor layouts, diodes, plcc packages, headers, and seMi packages.

There is a "USER" function which allows you to create your own objects for layout.

Minimum spacing definition of the program is 0.05 inches.

A viewport function provides a small window in the 6.05 x 13.00 inches workspace. This is where the layout work for small PC boards takes place.

The reviewer (DeMaw) gives no spec on the maximum sized board that may be created with this software.

There is a "fill" function that allows solid copper areas to be created.

All components may be rotated in 90 degree increments.

The user can select the etched side, or it's mirror image for etching. This is valuable for people who wish to use TEC-200 or Press-N-Peel etch-resist film.

There is a free 5.25 inch demo disks available on request. This disk demo's three programs by the author: the pcboard layout program, a schematic drawing program, and the autorouter add-on.

Incidentteally, I am reminded of Autosketch, which while it would be primarily for schematic diagrams, could be adapted by an adventurous user to PC Board layout using it's user defined objects function.

Best Regards,

Joe Hartmann Tel: (603) 863 6073
K2AJV -issued email: joeh@sugar-river.net
1951 home-page: <http://www.sugar-river.net/~joeh>

First Student at the:

Linux Academy in the Sunshine Town of Newport, NH

Thanks to RMS, Linus, and other contributors of free software!

----- I grant this to the public domain -----

On Thu, 16 Jan 1997, Bill Morris Denton wrote:

> Try a shareware cd called PC Electronics Plus. Among others it has PC
> Draft-CAD PC schematics PCB CAD and PCTRACE plus the usual assortments of
> electronics designs and symbols..... It has about 30 programs all electronic.
> I bought it from a electronics parts house here in Houston for \$12.95. It's
> published by Most Significant Bits Inc. 3702 Colorado Ave. Avon, Ohio 44011.
> Tele. 216-934-1397 e-mail- support@msbcd.com I have only scanned
> these programs and have used only one. So can't vouch for most of them as
> for their usefulness. Some are windows base other are DOS. They all look
> interesting. The price is right. On the CD it says in part "programs to
> aid and assist in the creation of electronics schematics and double sided
> PC board layouts".

>
> Bill W5SB

> On Thu, 16 Jan 1997 km1h@JUNO.COM wrote:

>
> > Would somebody please point me to a good program that will not require a
> > 2nd mortgage?
> > I am looking for something that is easy to learn and use and flexible
> > enough to allow good RF layouts with a combination of discrete
> > components, coils, IC's and maybe even SMD stuff. I have numerous new
> > circuit designs committed to paper but haven't a clue as to how to do a
> > board design and parts screen overlay.

> >
> > Tnx for any help.

> >
> > 73...Carl KM1H

> >
> >
>
>

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Bob Follett" <bfollett@ditell.com>
Subject: [8991] RE: Sunspot Cycle Predicted to be LOW
Message-ID: <199701161647.JAA32495@orion.ditell.com>

Gang:

I don't remember the source, since I was on the road in Colorado, but there

was a newspaper article reporting a new prediction from the National Technology Institute group.

They are now forecasting the lowest sunspot cycle in over 50 years! They further added that last time this occurred, a mini-ice age started. In any event, they are predicting lower world temperatures over the next decade.

Maybe someone can add some details....

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Ken Lopez <kjlopez@earthlink.net>
Subject: [8996] Re: Sunspot Cycle Predicted to be LOW
Message-ID: <32DE6305.15D8@earthlink.net>

Hi Gang,

Here is something I pulled off the Net from the Associated Press yesterday. Since I am unsure of the netiquette and legalities of redistributing it, I have only included the first paragraph. It is readily available though.

Fewer solar eruptions expected in next few years
January 14, 1997
3.18 p.m. EST (2018 GMT)
[Image]

TORONTO (AP) -- The sun is entering a quiet period that astronomers believe could mean up to a decade of mild "space weather," with fewer power blackouts, less radio interference and perhaps slightly cooler Earth temperatures.

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: James Bennett <james@research.nj.nec.com>
Subject: [8997] RE: Sunspot Cycle Predicted to be LOW
Message-ID: <Pine.sol.3.91.970116121018.12511A-100000@shakti>

As far as propagation goes let's hope this forecast is not correct. However, there is evidence of long periods(70 years) of very low or no sunspot activity. The last time was around the late 1600s if my memory is correct. Carbon 14 evidence indicates it has happened some 300 or 400 years before that. Apparently, the low period in the 17 century corresponded to a period of much below normal average temperatures.

Not enough data points to determine yet if there is a longer cycle of low activitysuperimposed on the ~11 year cycle. I guess time will tell. And I just recently bought a 10M rig....

73

James Bennett

KA5DVS

On Thu, 16 Jan 1997, Bob Follett wrote:

> Gang:

>

> I don't remember the source, since I was on the road in Colorado, but there
> was a newspaper article reporting a new prediction from the National
> Technology Institute group.

>

> They are now forecasting the lowest sunspot cycle in over 50 years! They
> further added that last time this occurred, a mini-ice age started. In any
> event, they are predicting lower world temperatures over the next decade.

>

> Maybe someone can add some details....

>

> 73, Bob

> -----

> Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS

> 2861 Estates Dr. VOICE: 801.649.6457

> Park City, UT 84060 E-mail: bfollett@ditell.com

>

>

>

From owner-qrp-l@Lehigh.EDU Thu Jan 16 18:02:56 1997

From: adams@chuck.dallas.sgi.com (Chuck Adams)

Subject: [9008] RE: Sunspot Cycle Predicted to be LOW

Message-ID: <199701161808.SAA08817@chuck.dallas.sgi.com>

Bob et.al.,

>From around 1790 to 1835 there was a period
when the averaged sunspot count did not exceed
70.

It doesn't mean much now. :-)

SIG

Chuck Adams K5FO adams@sgi.com

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: tahrens1@juno.com (Tim H. Ahrens)
Subject: [9011] Re: Sunspot Cycle Predicted to be LOW
Message-ID: <19970116.121906.15695.13.tahrens1@juno.com>

Well, if it's any backup to Bob's message, it sure
has been cold here in Austin. I know you northern
guys laugh, but after you get accustomed to warmer
climates, 30 degrees is cold! (I lived in Northern
Maine for 2 years - I know cold!).

Whatever happened to global warming... give me those
spray cans..hehe

I'm sorry for you folks in the north... heard a guy
from Fargo ND the other night,,, I believe he was
QRP also nice signal, I think it was Monday... glad
his antenna was still up .. then..

Thanks for the space & stay warm

Tim W5FN

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Roger Hightower <rheight@primenet.com>
Subject: [9012] Re: Sunspot Cycle Predicted to be LOW
Message-ID: <32DE729C.4ABA@primenet.com>

Bob Follett wrote:

>
> Gang:
>

> I don't remember the source, since I was on the road in Colorado, but there
> was a newspaper article reporting a new prediction from the National
> Technology Institute group.
>
> They are now forecasting the lowest sunspot cycle in over 50 years! They
> further added that last time this occurred, a mini-ice age started. In any
> event, they are predicting lower world temperatures over the next decade.
>
> Maybe someone can add some details....
>

Hi Bob et al,

As I recall the article, it was about a prediction for fewer solar
storms (or eruptions) during the new cycle. Which means better radio
communications. Good for us, eh?

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more
to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: kd1jv@juno.com (Steven Weber)
Subject: [9020] Re: Sunspot Cycle Predicted to be LOW
Message-ID: <19970116.142935.7743.8.KD1JV@juno.com>

>They are now forecasting the lowest sunspot cycle in over 50 years!
>They further added that last time this occurred, a mini-ice age started.
In
>any event, they are predicting lower world temperatures over the next
>decade.

Dang, Guess we'll have to fire up the old coal power plants and get some
CO2 cooking again....(if it ain't one thing it's another)

de KD1JV

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: wd4et@juno.com
Subject: [9029] Re: Sunspot Cycle Predicted to be LOW
Message-ID: <19970116.151422.4262.3.wd4et@juno.com>

If I'm not mistaken, the sunspot activity has an effect on the upper atmosphere ionization. Could it be that there is a correlation between that and the ozone hole. ie. lower sun spot activity > lower ionization > larger ozone hole?

I seem to recall warnings of another ice age back in the late seventies before global warming became politically correct.

I'm just doing my part by ionizing the atmosphere with my 5 watt qrp activities.

Jeff, WD4ET

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: "Gary M. Diana, Sr." <gm dsr@vivanet.com>
Subject: [8957] Re: TiCK Keyer Info
Message-ID: <32DDA7FE.1234@vivanet.com>

Craig LaBarge wrote:

>
> Gang:
>
> I'm in the process of building a GM-20 and have a TiCK keyer chip on order
> which I want to build into the case. Can anyone give me a brief overview
> of how the TiCK chip operates, commands are entered, etc.? I guess,
> specifically, my question is this: Can the TiCK be placed in the straight
> key mode with just the pushbutton or does it require a command entered via
> paddles? I'm getting ready to drill the case for the GM-20 and was
> planning to provide an 1/8" stereo jack for the paddles and a momentary
> contact pushbutton switch for the keyer. If I find myself in a situation
> where I just have a straight key available (and no paddles), will I be able
> to get the TiCK keyer into the straight key mode and use the straight key
> connected to the 1/8" stereo jack?
>
> Does this make sense or should I up the dosage on my medication?
>
> 73, Craig WB3GCK
Craig -

Let me take a whack at this:

You don't need paddles to get the TiCK-1 into manual mode. The procedure would go like this:

Press and hold pushbutton:

You'll hear (dit-dit-dit) - speed adjust
(dah) - tune
(dit-dah-dah-dit) - paddle select
(dit-dah) - audio enable/disable
(dit-dit-dit dah-dit-dah) Straight key mode

Let up on the button!

An input on either the dit or dah line will toggle
the TiCK-1 into straight key mode (so even if you only
have a straight key attached, you can toggle in and

out

of straight key mode)

You'll either need to wire a mono jack in parallel with your stereo jack
OR
you'll need to wire your straight key to a stereo plug, if you want to
just
use the stereo jack attached to the TiCK-1.

Comments, questions, please email me!
73, Gary N2JGU
gmdsr@vivanet.com

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Brian Short <ke7gh@primenet.com>
Subject: [9017] RE: Yaesu reflector
Message-ID: <01BC03DE.1E9D9C80@ip212.phx.primenet.com>

Yes, there is a Yaesu mailing list reflector.
Subscription FAQ can be found at this URL:
<http://www.primenet.com/~ke7gh>

73, Brian ke7gh@primenet.com
(present Yaesu list administrator)

From: Dan Presley[SMTP:talljazz@teleport.com]
Sent: Thursday, January 16, 1997 6:15 PM
Subject: Yaesu reflector

Does anyone know of a reflector or newsgroup for Yeasu rigs?
Thanks
Dan N7CQR

From owner-qrp-1@Lehigh.EDU Thu Jan 16 18:02:56 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [8959] Re: Zoom Lens Battery
Message-ID: <199701160347.WAA12589@alaska.magpage.com>

Hi Scott'

> I have been hearing a lot of talk about tins for the last few days.
>I have found the ULTIMATE case for my 38spcl. It has been in my
>tackle box for over 20 years!!!! It is an aluminum pocket tackle

>box, but its really a "Secret Spy Radio". I wonder when someone will
>try mounting a rig in a shoe, like Max did in Get Smart???

My first QRP beacon and TX was in an Olympus OM-PC 35MM camera. Had two of them and when one quit, it became a QRP project. The other OM-PC still works fine, but when it dies, it's going on 30M. 'Dead' lens are available for 5-10 bucks at photofests and can be gutted for batteries. Weave a piece of 30 ga. wire through the cloth type neck strap and you're on the air.

Beats the smelly shoe rig, Jim K3QIO Delaware